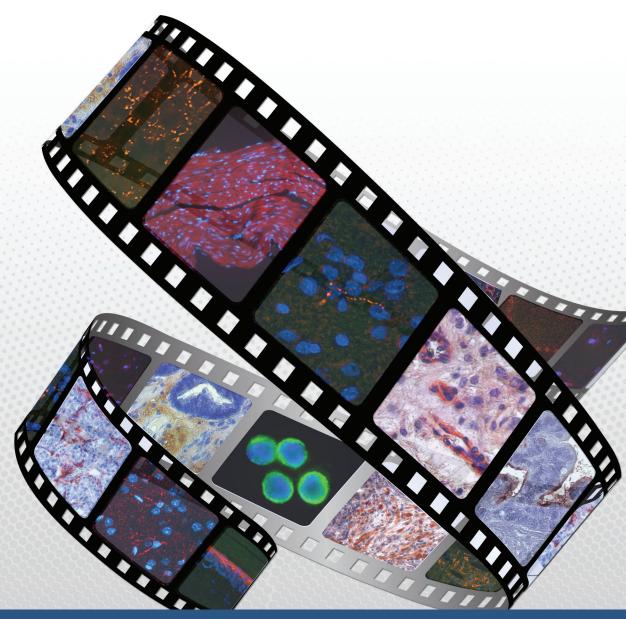


ANTIBODIES FOR CANCER RESEARCH



Aviva Systems Biology:

Your source for antibody solutions

Aviva Systems Biology Incorporated specializes in providing polyclonal and monoclonal antibodies for research needs. Unlike other companies, we design, manufacture and validate our own antibodies. We currently offer over 16,000 antibodies to the most popular protein targets.

Our head office is in San Diego, CA, and we also have an office in Beijing, China. Both locations provide scientific support assisting researchers with a variety of proteomic objectives.

The company provides unique tools for research associated to unique species and targets The company's products are relevant to 10,000 unique species, 10,000 cellular processes, and 5,000 protein pathways.

In the last two years, Aviva has been able to generate over 1,300 reviews from researchers. Many reference a name, research institution, protocols, application notes, and images.

Research Areas

Transcription factors, cancer, cardiovascular, cell biology, DNA damage and repair, epigenetics, signal transduction, cell differentiation, and stem cell biology.

Specialties

Antibody Production, Antibody Products, Reagents, Antibody Solutions, Immunohistochemistry, Species Reactivity, Antibody Customer Reviews, Western Blot, Chromatin Immunoprecipitation, Antibody Blast, Gene tools.

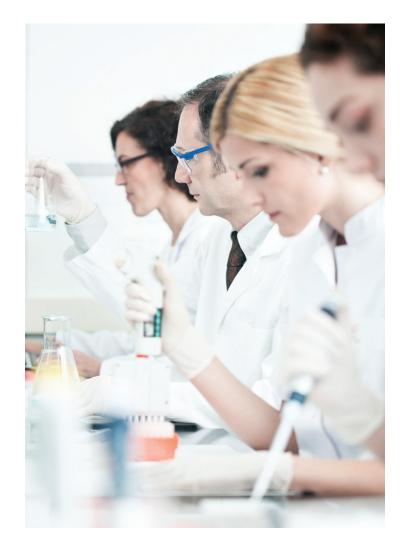


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Damage



Immune Destruction

Hallmarks of Cancer





Cell Cycle

Angiogenesis

Immortality

AVIVA'S CANCER ANTIBODIES

Cancer is the second leading cause of death worldwide and therefore researchers are in pursuit developing new methods, tools and reagents to detect and diagnose the disease for successful treatment. Aviva Systems Biology wants to help researchers in this process and have developed many antibodies that can detect proteins involved in various processes such as cell cycle, transcription factors, signaling molecules, apoptosis, angiogenesis and DNA damage and repair.













FEATURED PRODUCTS



GATA2 Antibody (ARP31855_T100) N-terminal region using mouse liver and N2a cell lysate in Western Blot



HEY1 Antibody (ARP32512_T100) C-terminal region using human lung tissue lysate in immunohistochemistry



HEY1 Antibody (ARP32512_T100) C-terminal region using human lung tissue lysate in Western Blot

ALL CANCER GENES



ABL1 Antibody (Phospho - Y245) (OAAB15990)

Application: WB, IHC, IF Reactivity: Human, Mouse

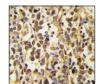


ACSL3 Antibody (ARP46453_P050)

Protein Name: Long-chain-fatty-acid-CoA ligase 3

Application: WB, IHC

Reactivity: Human, Mouse, Bovine,



DNMT3A Antibody (OAAB00357)

Protein Name: DNA (cytosine-5)-methyltransferase 3A

Application: WB, IHC Reactivity: Human



FAM46C Antibody (ARP53723 P050)

Protein Name: Protein FAM46C

Application: WB Reactivity: Human



GATA2 Antibody (ARP31855_T100)

Protein Name: Endothelial transcription factor GATA-2

Application: WB, IHC Reactivity: Human



IDH2 Antibody (OAEB00968)

Protein Name:Isocitrate dehydrogenase

[NADP], mitochondrial Application: WB

Reactivity: Human



CDK1 Antibody (OAAB01260)

Protein Name: Cyclin-dependent kinase 1

Application: WB, FC Reactivity: Human



AKAP9 Antibody (ARP38677_T100)

Protein Name: A kinase (PRKA) anchor protein (Yotiao)

9, isoform CRA_c EMBL EAW76862.1

Application: WB Reactiviy: Human



EBF1 Antibody (ARP39578_P050)

Protein Name:Transcription factor COE1

Application: WB, IHC Reactivity: HUman



FGFR Antibody (Phospho Y766) (OAAB16043)

Protein Name: Fibroblast growth factor receptor 1

Application: WB, IHC Reactivity: Human; Mouse



H3F3A Antibody (OAAF00945)

Protein Name: Histone H3.3

Applicatioin: IHC, IF

Reactivity: Human, Mouse, Rat



JAK1 Antibody (Phospho - Tyr1022) (OAAF00342) Protein Name:Tyrosine-protein kinase JAK1

Application: WB, IHC Reactivity: Human, Mouse

AVIVA'S BEST SELLING CANCER PRODUCTS WITH PUBLICATIONS



A1BG Antibody (ARP33810_P050)

Application: WB

Cited in Pubmed ID: 17503403 Tissue or Cell Line: Human Jurkat



APTX Antibody (ARP40014_T100)

Application: WB, IHC

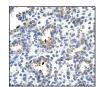
Cited in Pubmed ID: 20371676 Tissue or Cell Line: Human Kidney



ASCL1 Antibody (ARP32355_T100)

Application: WB, IHC

Cited in Pubmed ID: 18489756 Tissue or Cell Line: Human Kidney



CEACAM6 Antibody (ARP41504_T100)

Application: WB, IHC

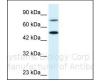
Cited in Pubmed ID: 23099808 Tissue or Cell Line: Human Lung



CFLAR Antibody (AVARP00022_T100)

Application: WB

Cited in Pubmed ID: 19578740 Tissue or Cell Line: Human 293T



CHML Antibody (AVARP13012_P050)

Application: WB, IHC

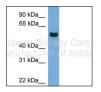
Cited in Pubmed ID: 21136781 Tissue or Cell Line: Human Jurkat



KRT15 Antibody (AVARP00005_P050)

Application: IHC

Cited in Pubmed ID: 18632593
Tissue or Cell Line: Human Intestine



CLK1 Antibody (ARP52021_P050)

Application: WB

Cited in Pubmed ID: 23604472 Tissue or Cell Line: Human 293T



CLK4 Antibody (ARP30645_P050)

Application: WB

Cited in Pubmed ID: 23604472 Tissue or Cell Line: Human Brain



CSDA Antibody (OAAB10985)

Application: WB

Cited in Pubmed ID: 21473684 Tissue or Cell Line: Y79 Cell



CXCL9 Antibody (AVARP07022_P050)

Application: WB, IHC

Cited in Pubmed ID: 24004819 Tissue or Cell Line: Human Liver



DBP Antibody (ARP32195_P050)

Application: WB, IHC

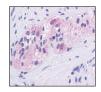
Cited in Pubmed ID: 24253377 Tissue or Cell Line: Human Liver



DEK Antibody (P100637_T100)

Application: WB, IF

Cited in Pubmed ID: 21317931 Tissue or Cell Line: Human Jurkat



EGR1 Antibody (ARP32241_P050)

Application: WB, IHC

Cited in Pubmed ID: 17516844
Tissue or Cell Line: Human Colon



EGR2 Antibody (P100880_P050)

Application: WB, IHC

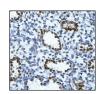
Cited in Pubmed ID: 24920063 Tissue or Cell Line: Human Intestine



EHF Antibody (ARP40136_P050)

Application: WB, IHC

Cited in Pubmed ID: 17172821 Tissue or Cell Line: Human Kidney



ENO1 Antibody (ARP34376_T100)

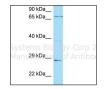
Application: IP, WB, IHC Cited in Pubmed ID: 22322011 Tissue or Cell Line: Human Lung



ENO3 Antibody (ARP48203_T100)

Application: IHC, WB

Cited in Pubmed ID: 22412968 Tissue or Cell Line: Human Kidney



FBXW7 Antibody (ARP47419_P050)

Application: WB, IHC

Cited in Pubmed ID: 24793136 Tissue or Cell Line: Human Kidney

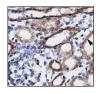


FECH Antibody (ARP41682_T100)

Application: WB

Cited in Pubmed ID: 19320847 Tissue or Cell Line: Human Jurkat

AVIVA'S BEST SELLING CANCER PRODUCTS WITH PUBLICATIONS



FHL1 Antibody (ARP34378_T100)

Application: WB, IHC

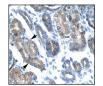
Cited in Pubmed ID: 23123766 Tissue or Cell Line: Human Kidney



FOSL1 Antibody (ARP31377_P050)

Application: WB, IHC

Cited in Pubmed ID: 21499227 Tissue or Cell Line: Human Lung



FOXF1 Antibody (ARP32296_T100)

Application: ICC/IF, WB, IHC
Cited in Pubmed ID: 23103611
Tissue or Cell Line: Human Kidney



FOXP3 Antibody (ARP32743_T100)

Application: IHC, WB

Cited in Pubmed ID: 23474329 Tissue or Cell Line: Human Liver



FZD7 Antibody (ARP41251_P050)

Application: IHC, WB

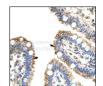
Cited in Pubmed ID: 21435459 Tissue or Cell Line: Human Kidney



FZD8 Antibody (OAEB02431)

Application: WB, IHC

Cited in Pubmed ID: 23445611
Tissue or Cell Line: Human Pancreas



FZD9 Antibody (ARP41253_T100)

Application: WB, IHC

Cited in Pubmed ID: 20234818
Tissue or Cell Line: Human Intestine

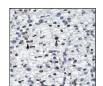


GADD45B Antibody (ARP48346 P050)

Application: IHC, WB

Cited in Pubmed ID: 21505039

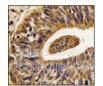
Tissue or Cell Line: Human Prostate Cancer



GLI2 Antibody (ARP31885_T100)

Application: WB, IHC

Cited in Pubmed ID: 20848446 Tissue or Cell Line: Human Heart



ERBB2 Antibody (OAAB04692)

Application: IHC

Cited in Pubmed ID: 21988594

Tissue or Cell Line: Human Prostata Carcinoma



HES1 Antibody (ARP32372_T100)

Application: WB, ChIP, IHC, IF Cited in Pubmed ID: 21169257 Tissue or Cell Line: Human Ls174T



HNRPA1 Antibody (ARP40383 T100)

Application: WB, IHC

Cited in Pubmed ID: 21068389 Tissue or Cell Line: Human Liver



HOXC6 Antibody (P100935_P050)

Application: WB

Cited in Pubmed ID: 19158933 Tissue or Cell Line: Du145 Cell



HOXC9 Antibody (ARP35813_T100)

Application: IHC

Cited in Pubmed ID: 23820980
Tissue or Cell Line: Human Lung



KLF8 Antibody (ARP31533_P050)

Application: WB, ICC/IF, IP Cited in Pubmed ID: 20182889 Tissue or Cell Line: Human kidney



LGALS3 Antibody (ARP54688_P050)

Application: WB, IHC

Cited in Pubmed ID: 24668500

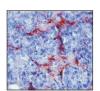
Tissue or Cell Line: Human Small Intestine



MCM8 Antibody (ARP36668_P050)

Application: WB

Cited in Pubmed ID: 18755499 Tissue or Cell Line: Human Intestine



MMP9 Antibody (ARP33090 T100)

Application: WB, IHC

Cited in Pubmed ID: 24621612

Tissue or Cell Line: Mouse Prostate Cancer



MYCBP Antibody (ARP31860_P050)

Application: ChIP, WB, IHC Cited in Pubmed ID: 17311536 Tissue or Cell Line: Human Intestine

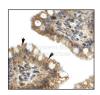


NAB1 Antibody (ARP32032_P050)

Application: WB

Cited in Pubmed ID: 20489156
Tissue or Cell Line: Human Prostate

AVIVA'S BEST SELLING CANCER PRODUCTS WITH PUBLICATIONS



NUCB2 Antibody (ARP36567_T100)

Application: IHC, WB

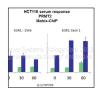
Cited in Pubmed ID: 21988594
Tissue or Cell Line: Human Intestine



PHD1 Antibody (ARP31419_P050)

Application: WB, IHC

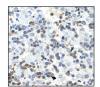
Cited in Pubmed ID: 20383689 Tissue or Cell Line: Human Liver



PRMT2 Antibody (ARP40195_P050)

Application: WB, ChIP

Cited in Pubmed ID: 24292672 Tissue or Cell Line: HCT116



PRMT2 Antibody (ARP40196_T100)

Application: WB, IHC

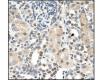
Cited in Pubmed ID: 21820040 Tissue or Cell Line: Human Liver



PRPF19 Antibody (ARP43158_T100)

Application: WB, IHC

Cited in Pubmed ID: 19403515 Tissue or Cell Line: Human Kidney



PSAT1 Antibody (ARP46303_P050)

Application: WB, IHC

Cited in Pubmed ID: 25142862 Tissue or Cell Line: Human Kidney



PSMA1 Antibody (ARP40417_P050)

Application: WB, IHC

Cited in Pubmed ID: 24040035
Tissue or Cell Line: Human Bronchial

Epithelial Tissue



RNF31 Antibody (ARP43241_P050)

Application: WB

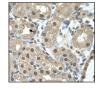
Cited in Pubmed ID: 23459942 Tissue or Cell Line: Human Jurkat



SARDH Antibody (ARP42344_T100)

Application: WB, IHC

Cited in Pubmed ID: 23633921 Tissue or Cell Line: Human Kidney



SBDS Antibody (ARP45719_T100)

Application: IHC, WB

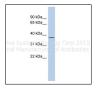
Cited in Pubmed ID: 22997148 Tissue or Cell Line: Human Kidney



SERPINB5 Antibody (ARP42055_T100)

Application: WB, IHC

Cited in Pubmed ID: 20939879 Tissue or Cell Line: Human Skin



SIRT6 Antibody (ARP32408_P050)

Application: ChIP, WB

Cited in Pubmed ID: 24105743 Tissue or Cell Line: Human Spleen



SNAI1 Antibody (ARP33314_P050)

Application: IHC, WB

Cited in Pubmed ID: 17409395 Tissue or Cell Line: Human Kidney

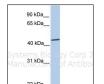


SOX18 Antibody (ARP33056_P050)

Application: IF, WB, IHC

Cited in Pubmed ID: 22523034
Tissue or Cell Line: Mouse Lymphatic

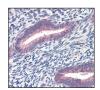
Endothelial



SOX9 Antibody (ARP37986_P050)

Application: WB

Cited in Pubmed ID: 24707296 Tissue or Cell Line: 721-B cells



TWIST1 Antibody (ARP37997_T100)

Application: WB, IHC

Cited in Pubmed ID: 24668500 Tissue or Cell Line: Human Uterus

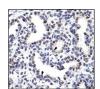


VDAC2 Antibody (ARP35123_P050)

Application: WB, IHC

Cited in Pubmed ID: 23151231
Tissue or Cell Line: Human Bronchial

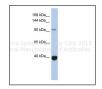
Epithelial Tissue



WNT2B Antibody (ARP41254_P050)

Application: WB, IHC

Cited in Pubmed ID: 23076981 Tissue or Cell Line: Human Lung



ZBTB4 Antibody (ARP33189_P050)

Application: WB

Cited in Pubmed ID: 22752225 Tissue or Cell Line: Human Spleen



ZEB1 Antibody (ARP32422_P050)

Application: WB, IF

Cited in Pubmed ID: 23869586 Tissue or Cell Line: Human Eye

AVIVA'S ANTIBODIES FOR IMMUNOHISTOCHEMISTRY (IHC)

Immunohistochemistry (IHC) is a combination of anatomical, immunological and biochemical methods used to localize antigens in tissue sections by using labeled antibody as specific reagents through antigenantibody interactions that are visualized by a marker such as fluorescent dye or enzyme.

Since immunohistochemistry involves specific antigenantibody reaction, it can be used to detect any antigen that has an antibody raised against it. Thus, immunohistochemistry has become a crucial technique and widely used in many biomedical research laboratories as well as clinical diagnostics.

Visit Aviva's IHC Page Online to View Products, Protocols, and Other Useful Information at http://www.avivasysbio.com/ihc.html

IHC Antibodies in Human Diseases

Aviva has identified antibodies that have been used in IHC for identifying biomarkers in human diseases and want to provide researchers with resources. For a list of such antibodies, please see below.

The antibodies listed here detect important protein targets mis-expressed in cancer and can be used for cancer detection in various human tissues.

The following antibodies were selected based on multiple criteria such as:

- Their importance in disease pathways.
- Having been used and validated in IHC experiments using human tissues.
- Having publications citing their use as biomarkers for various disease indications.

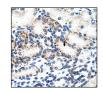
FEATURED PRODUCTS



ILF3 (NFAT) Antibody (ARP38968_P050) N-terminal region using human pineal tissue in IHC



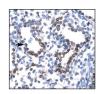
SMARCB1 Antibody (ARP34171_P050) N-terminal region using human liver tissue in IHC



BMP7 Antibody (ARP32329_T100) N-terminal region using human kidney tissue in IHC



CD36 Antibody (ARP48127_P050) N-terminal region using mouse gut tissue in IHC



HEY1 Antibody (ARP32512_T100) C-terminal region using human lung tissue in IHC



STAT3 Antibody (ARP38253_P050) N -terminal region using human kidney tissue



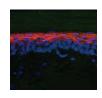
APCS Antibody (ARP41962_T100) N-terminal region using human intestine tissue in IHC



DEK Antibody (OAAB05777) C-terminal region using human testis tissue using IHC

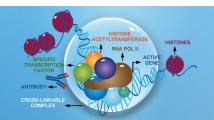


GM2 Antibody (ARP47471_P050) Middle region. IHC with human placenta tissue.



SMAD2 Antibody (ARP32004_P050) N-terminal region. IHC with mouse brain tissue.

Aviva's New ChIP Antibodies



AVIVA'S CHROMATIN IMMUNOPRECIPITATION (ChIP) ANTIBODIES

The chromatin immunoprecipitation (ChIP) assay is a major tool used to study epigenetic processes and regulatory proteins associated with DNA. Protein-DNA complexes are captured by primary antibodies, and then amplified for known gene or promoter regions. Aviva Systems Biology (ASB) provides a variety of ChIP tested primary antibodies with detailed experimental data and protocols.

Why ChIP?

ChIP can allow evaluation of gene function and help us understand how transcription factors modulate gene expression.

Application of ChIP

- Selective enrichment of chromatin fraction(s) containing protein(s) that regulates gene expression using antibodies.
- Antibodies recognizing the protein bound to the chromatin can be used to determine the relative abundance of that protein at one or more locations in the genome in vivo.
- ChIP assays can also be used to analyze binding of transcription factors, transcription co-factors, DNA replication factors and DNA repair proteins.

Validation of Aviva ChIP antibodies

For validating many antibodies in ChIP, Aviva utilized a microplate-based ChIP (Matrix-ChIP) method where all steps from immunoprecipitation to DNA purification are done in microplate wells without sample transfers. Matrix-ChIP methods are similar to convention ChIP assays, as described in the protocol section, yet it provides much more information due to its high-throughput capabilities. In many cases, antibody validation data contains:

- Analysis at multiple time points.
- Comparisons to known transcriptional proteins.
- Utilization of blocking peptides to confirm specificity.
- Conducted in duplicate to demonstrate consistency.

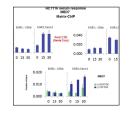
Description of Protocol

Matrix-ChIP utilizes sheared chromatin. Capture antibodies are surface-immobilized via blocked, Protein A coated 96-well plates. Blocking buffer consists of 5% BSA and 100ug/mL sheared salmon sperm DNA in immunoprecipitation (IP) buffer. After washing, sheared chromatin samples are added and the plates are floated in an ultrasonic water bath (Bronson 8510) to accelerate protein-antibody binding. Wells are then washed and DNA eluted with Tris base (pH 9.8) and stored (4C) in the same Matrix ChIP plates for repeated use. Plates are sealed with adhesive film to prevent evaporation and can be stored/re-sealed for months for repeated qPCR.

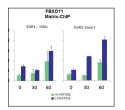
Real-time PCR is performed with 2X SYBR Green PCR master mix, eluted DNA template and primers in a 2-4uL final volume in a 384-well Optical Reaction Plate. Amplification (three steps, 40 cycles), data acquisition and analysis were run in quadruplicate for each PCR reaction.

Aviva has 95 antibodies validated in ChIP, which can be viewed online at http://www.avivasysbio.com/chip.html

FEATURED PRODUCTS



MED7 Antibody (ARP38446_P050) C-terminal region in HCT116 using CHIP Sample Type: HCT116



FBXO11 Antibody (ARP43327_P050) Middle region in HCT116 using CHIP Sample Type: HCT116

AVIVA'S ANTIBODY BLAST: TAKING ANTIBODY SEARCH TO THE NEXT LEVEL

Finding the appropriate antibody for your target of interest can be time consuming and often difficult. Aviva's new **Antibody Blast** takes the concept of BLAST to a new level by finding antibodies that are homologous to a DNA, RNA, or protein sequence.

We can blast any protein sequence against our catalog of over 45,000 antibodies. Whether you have 5 gene targets or 500, it makes no difference. We believe this tool is capable of identifying more antibody candidates, especially for research on unique targets. The final report will display sequence homology and consecutive matches, enabling the researcher to test more antibodies and increase the chances of finding a successful reagent.

The process is simple:

- Send us your protein/DNA/RNA sequence(s):
 - 1. To submit a sequence please use the following link: http://www.avivasysbio.com/sd/blast/blast.php
 - 2. To submit multiple sequences, please send sequences in Excel file to info@avivasysbio.com.
- Our BLAST algorithm will search Aviva's collection of antibodies for matching sequence specificity.
- You will receive a report of percent homology between the Aviva's antibody specificity and your sequence.

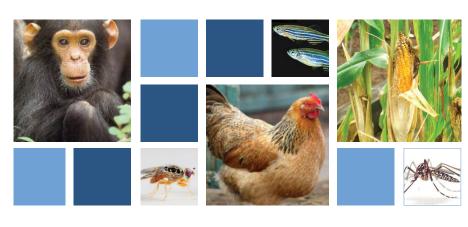
EXAMPLE REPORT

Sequence	Catalog#	Antibody Name	Gene Symbol	Validated	Consecutive Match Count	Total Match	Real Peptide Length	Percent Homology
MEGSKTSSSTMQVSFVCQRCSQ- PLKLDTSFKILDRVTIQELTAPLLATAQLK- PGETQEEEANSGEEPFIETRQDGVSR- RFIPPARMMSTESANSFTLIGEASDGGT- MENLSRRLKVTGDLFDIMSGQTDVDH- PLCEECTDTLLDQLDTQLNVTENEC- QNYKRCLEILEQMNEDDSEQL- GLELKELALEEERLIQELEDVEKNRKI- VAENLEKVQAEAERLDQEEAQYQREY- SEFKRQQLELDDELKSVEN	ARP58873	BECN1 Antibody - N-terminal region	BECN1	Validated	9	12	14	86
MEGSKTSSSTMQVSFVCQRCSQ- PLKLDTSFKILDRVTIQELTAPLLATAQLK- PGETQEEEANSGEEPFIETRQDGVSR- RFIPPARMMSTESANSFTLIGEASDGGT- MENLSRRLKVTGDLFDIMSGQTDVDH- PLCECTDTLLDQLDTQLNVTENEC- QNYKRCLEILEQMNEDDSEQL- GLELKELALEEERLIQELEDVEKNRKI- VAENLEKVQAEAERLDQEEAQYQREY- SEFKRQQLELDDELKSVEN	ARP58595	BECN1 Antibody - N-terminal region	BECN1	Validated	8	13	14	93
MEGSKTSSSTMQVSFVCQRCSQ-PLKLDTSFKILDRVTIQELTAPLLATAQLK-PGETQEEEANSGEEPFIETRQDGVSR-RFIPPARMMSTESANSFTLIGEASDGGT-MENLSRRLKVTGDLFDIMSGQTDVDH-PLCECTDTLLDQLDTQLNVTENEC-QNYKRCLEILEQMNEDDSEQL-GLEKELALEEERLIQELEDVEKNRKI-VAENLEKVQAEAERLDQEEAQYQREY-SEFKRQQLELDDELKSVEN	ARP58874	BECN1 Antibody - middle region	BECN1	Validated	14	14	14	100

AVIVA'S SPECIES REACTIVITY RESOURCE

Aviva uses computational homology to display other relevant species associated with the antigen sequence. By doing so, we have now been able to re-evaluate the species homology of over 50,000 antibodies. So far, we have found over 10,000 species associated with our antibodies.

To determine if an antibody has appropriate homology to your species, visit the product datasheet, click on "Complete Computational Species Homology Data". You will be directed to a complete listing of species with appropriate homology to that antibody. Also included are the reference Uniprot number and the percentage homology between the specific antigen used to produce the antibody. Please note you can also find isoform information within this report as well. Alternatively, you can submit a sequence and Aviva will do the search for you. To do this, please visit Aviva's Antibody Blast (www.avivasysbio.com/aviva/page/blast).



AVIVA'S NO RISK POLICY

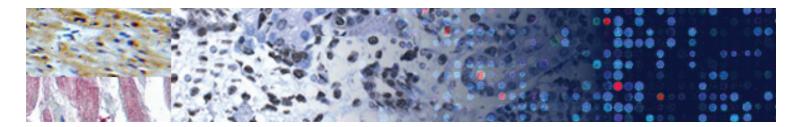
Although many times Aviva has not tested an antibody with a particular specie, we will share the risk and provide a full refund if the antibody does not work.



EXAMPLE REPORT

SOX10 Antibody (ARP33326)

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Predicted Species & Target	Target Reference	Predicted Homology			
African elephant SOX10 antibody; Loxodonta africana SOX10 antibody	G3UDQ3	85%			
African elephant SOX10 anti- body; Loxodonta africana SOX10 antibody	G3UDQ3	85%			
Bovine SOX10 antibody; Bos taurus SOX10 antibody	F1N6W0	92%			
Chinese hamster Sox10 antibody; Cricetulus griseus Sox10 antibody	G3I510	92%			
Dog SOX10 antibody; Canis familiaris SOX10 antibody	F1PHT3	92%			
Duckbill platy- pus 100090691 antibody; Ornitho- rhynchus anati- nus 100090691 antibody	F7CX93	78%			
Gray short-tailed opossum sox10 antibody; Mono- delphis domestica sox10 antibody	D1LHP2	84%			
Guinea pig Sox10 antibody; Cavia porcellus Sox10 antibody	H0W9P1	92%			
Horse SOX10 antibody; Equus caballus SOX10 antibody	F6WZU9	92%			
Human SOX10 antibody; Homo sapiens SOX10 antibody	P56693	100%			
Human SOX10 antibody; Homo sapiens SOX10 antibody	Q6FHW7	100%			



AVIVA'S TISSUE TOOL: UTILIZING GENE EXPRESSION DATA

Aviva Systems Biology has developed a software program called Aviva's Tissue Tool in an effort to aid the research community with new and supportive bioinformatics tools.

Aviva's Tissue Tool uses nucleic acid-based microarray data to predict and confirm the location of protein expression. This tool uses publicly available, gene-specific expression data ordered by tissue or cell type taken from DNA microarray experiments. The main utility of this tool is to allow researchers to quickly infer from gene-specific information gathered at the mRNA transcript level whether a given cell line or tissue sample is supported to express hat gene on the protein level.

Gene expression profile results are returned and displayed in three categories by DNA microarray format, or dataset; GeneAtlas (tissues), NCI60 (cultured cell lines) and Unigene EST (body sites, disease state and developmental stage).

Look for the Aviva's Tissue Tool icon in the product page.

Click on the icon to visit the Tissue Tool page.

Related Products Basic Info Reviews and Data(6) Concentration: Alias Symbols: Batch dependent within range: 10 DOM; MGC15649; WS2E; WS4; PCWH; 0.5 - 1 mg/ml WS4C Purification: Tissue Tool: Affinity Purified Find tissues and cell ines supported to express SOX10 Complete Computational Specie Homology Data: Protein Accession NP 008872 SOX10 antibody - middle region (ARP33326 P050) important for neural crest and peripheral Predicted Homology Based On nervous system development. Mutations Immunogen Sequence: in this gene are associated with Human: 100%; Dog: 93%; Pig: 93 Waardenburg-Shah and Waardenburg-Horse: 93%; Mouse: 93%; Bovin Hirschsprung disease. 93%; Rabbit: 93%; Guinea pig: 9 Gene Symbol: Rat: 86% SOX10 Species Reactivity: Official Gene Full Name: Human, Pig, Bovine, Dog, Horse, SRY (sex determining region Y)-box 10 Guinea nia Mouse Rat

EXAMPLE REPORT

Gene Name: SOX10 SRY Probeset: 209842_at

Tissue	Avg	Mean
Amygdala	122.95	52.35
Caudatenucleus	101.7	52.35
CingulateCortex	93.55	52.35
DorsalRoot Ganglion	108.05	52.35
Hypothalamus	142.9	52.35
MedullaOblon- gata	140.05	52.35
OccipitalLobe	127.65	52.35
OlfactoryBulb	608.55	52.35
ParietalLobe	186.8	52.35
Pons	67	52.35
PrefrontalCortex	186.8	52.35
A361	2616.509	412.03
M14	4142.351	412.03
MALME 3M	5564.098	412.03
MDA MB435	6821.394	412.03
SKMEL2	6052.914	412.03
SKMEL28	6451.177	412.03
SKMEL5	6015.369	412.03

Breakdown by Body Sites

Pool Name	TPM	Gene EST/Total EST in pool
Adrenal Gland	60	2/32940
Blood	8	1/122252
Brain	26	29/1092688
Connective Tissue	6	1/149072
Ear	124	2/16100

Pro

