

Mouse PAX6 Monoclonal Antibody | anti-PAX6 antibody

PAX6 Antibody (Ascites)

CATALOG # AAA283512	HOST Mouse	REACTIVITY Human (Predicted Reactivity: Bovine, Mouse)	APPLICATIONS Immunofluorescence, ELISA, Western Blot
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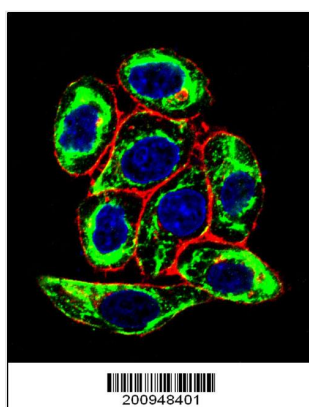
PRODUCT SYNONYMS

PAX6; Monoclonal Antibody; PAX6 Antibody (Ascites); Paired box protein Pax-6; Aniridia type II protein; Oculorhombin; AN2; anti-PAX6 antibody

PRODUCT SPECIFICATIONS

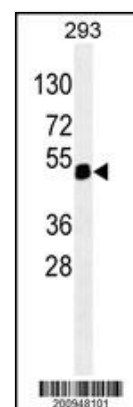
Host	Mouse
Reactivity	Human (Predicted Reactivity: Bovine, Mouse)
Clonality	Monoclonal
Isotype	IgM,K
Clone Number	193CT15.2.2
Specificity	This PAX6 Monoclonal antibody was raised using purified His-tagged recombinant human PAX6.
Form/Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Sequence Length	422
Applicable Applications for anti-PAX6 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of PAX6 Antibody (Ascites) with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclei (blue).



WB (Western Blot)

PAX6 western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the PAX6 antibody detected the PAX6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PAX6 antibody	This gene encodes paired box gene 6, one of many human homologs of the Drosophila melanogaster gene prd. In addition to the hallmark feature of this gene family, a conserved paired box domain, the encoded protein also contains a homeo box domain. Both domains are known to bind DNA, and function as regulators of gene transcription. This gene is expressed in the developing nervous system, and in developing eyes. Mutations in this gene are known to cause ocular disorders such as aniridia and Peter's anomaly. Alternatively spliced transcript variants encoding either the same or different isoform have been found for this gene. [provided by RefSeq].
Product Categories/Family for anti-PAX6 antibody	Developmental biology ; Neuroscience ; Signal transduction
References	Gosmain, Y., et al. J. Biol. Chem. 285(43):33381-33393(2010) Vuzman, D., et al. Biophys. J. 99(4):1202-1211(2010) Zhang, X., et al. Cell Stem Cell 7(1):90-100(2010) Bremond-Gignac, D., et al. Mol. Vis. 16, 1705-1711 (2010) : Cai, F., et al. Mol. Vis. 16, 1141-1145 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505615
NCBI GeneID	5080
NCBI Accession #	NP_000271.1 ; NP_001121084.1 ; NP_001245393.1 ; NP_001245394.1 ; NP_001595.2
NCBI GenBank Nucleotide #	NM_000280.4
UniProt Accession #	P26367 ; Q6N006 ; Q99413
Molecular Weight	46683
NCBI Official Full Name	paired box protein Pax-6 isoform a
NCBI Official Synonym Full Names	paired box 6
NCBI Official Symbol	PAX6
NCBI Official Synonym Symbols	AN; AN2; FVH1; MGDA; WAGR; D11S812E
NCBI Protein Information	paired box protein Pax-6
UniProt Protein Name	Paired box protein Pax-6
UniProt Gene Name	PAX6
UniProt Synonym Gene Names	AN2
UniProt Entry Name	PAX6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pax6-antibody-clone-193ct15-2-2-immunofluorescence-western-blot-elisa/283512>