Mouse anti-Human PAX6 Antibody | anti-PAX6 antibody

PAX6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108498	**Mouse**	**Human**	**ELISA, Flow Cytometry, Functional Assay, Western Blot**

PRODUCT SYNONYMS

PAX6; PAX6 Antibody; AN; AN2; MGDA; WAGR; D11S812E; MGC17209; anti-PAX6 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	1C8
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	422
Applicable Applications for anti-PAX6 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human PAX6 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at-20 degree C

IMAGES



FCM/FACS (Flow Cytometry)
Figure 3. Flow cytometric analysis of 3T3-L1 cells using PAX6 mouse mAb (green) and negative control (purple).



WB (Western Blot)
Figure 1. Western blot analysis using KLHL25 mAb against KLHL25-hIgGFc transfected HEK293 cell.

ADDITIONAL INFORMATION

Related Product Information for anti-PAX6 antibody	Transcription factor with important functions in the development of the eye, nose, central nervous system and pancreas. Required for the differentiation of pancreatic islet alpha cells.PAX6 is the most researched of the PAX genes and appears throughout the literature as a "master control" gene for the development of eyes and other sensory organs, certain neural and epidermal tissues as well as other homologous structures, usually derived from ectodermal tissues. This transcription factor is most famous for its use in the interspecifically induced expression of ectopic eyes and is of medical importance because heterozygous mutants produce a wide spectrum of ocular defects such as Aniridia in humans. This gene encodes paired box gene 6, one of many human homologues 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.
Product Categories/Family for anti-PAX6 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505615
NCBI GeneID	5080
NCBI Accession #	NP_000271.1
NCBI GenBank Nucleotide #	NM_000280.4
UniProt Accession #	P26367; Q6N006; Q99413
Molecular Weight	46kDa
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; ASGD5; 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

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/mouse-human-antibody/pax6/108498