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Mouse Pax6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21089a

Product Information

Application	WB, E
Primary Accession	P63015
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51105
Calculated MW	46683

Additional Information

Gene ID	18508
Other Names	Paired box protein Pax-6, Oculorhombin, Pax6, Pax-6, Sey
Target/Specificity	This mouse Pax6 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 404-436 amino acids from the C-terminal region of mouse Pax6.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Pax6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Pax6
Synonyms	Pax-6, Sey
Function	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 (PubMed:9163426). Competes with PAX4 in

	binding to a common element in the glucagon, insulin and somatostatin promoters. Regulates specification of the ventral neuron subtypes by establishing the correct progenitor domains (By similarity). Acts as a transcriptional repressor of NFATC1-mediated gene expression (PubMed:23990468).
Cellular Location	Nucleus. [Isoform 3]: Nucleus. Cytoplasm
Tissue Location	Expressed in osteoclasts. [Isoform 3]: Dominant isoform expressed in the eye, including in the retina and cornea (PubMed:21084637). Weakly expressed in the lens epithelium (PubMed:21084637)

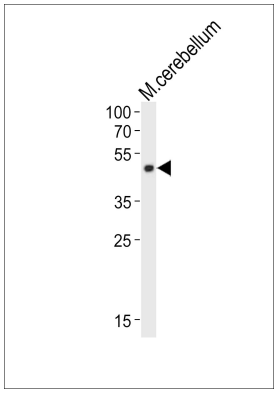
Background

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. Competes with PAX4 in binding to a common element in the glucagon, insulin and somatostatin promoters. Regulates specification of the ventral neuron subtypes by establishing the correct progenitor domains (By similarity).

References

Walther C.,et al.Development 113:1435-1449(1991).
Favor J.,et al.Genetics 159:1689-1700(2001).
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Images



Western blot analysis of lysate from mouse cerebellum tissue lysate, using Pax6 Antibody (C-term)(Cat. #AP21089a). AP21089a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.