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PAX6 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6929c

Specification

PAX6 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P26367

PAX6 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5080

Other Names
Paired box protein Pax-6, Aniridia type II protein, Oculorhombin, PAX6, AN2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6929c was selected from the Center region of human PAX6. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PAX6 Antibody (Center) Blocking Peptide - Protein Information

Name PAX6

Synonyms AN2

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 (By similarity). 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 (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:P63015}. [Isoform 5a]: Nucleus {ECO:0000250|UniProtKB:P63016}

Tissue Location
[Isoform 1]: Expressed in lymphoblasts.

PAX6 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PAX6 Antibody (Center) Blocking Peptide - Images

PAX6 Antibody (Center) Blocking Peptide - Background

PAX6 is 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.

PAX6 Antibody (Center) Blocking Peptide - References

Firsova,N.V., et.al., Dokl. Biol. Sci. 426, 264-266 (2009)