10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Pax6 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21089a

Specification

Mouse Pax6 Blocking Peptide (C-term) - Product Information

Primary Accession	P63015
Other Accession	P55864, P63016, P26367, P26630, P47237, Q1LZF1

Mouse Pax6 Blocking Peptide (C-term) - Additional Information

Gene ID 18508

Other Names
Paired box protein Pax-6, Oculorhombin, Pax6, Pax-6, Sey

Target/Specificity
The synthetic peptide sequence is selected from aa 404-416 of HUMAN Pax6

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.

Mouse Pax6 Blocking Peptide (C-term) - 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)

Mouse Pax6 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

Mouse Pax6 Blocking Peptide (C-term) - Images

Mouse Pax6 Blocking Peptide (C-term) - 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).

Mouse Pax6 Blocking Peptide (C-term) - References

Walther C.,et al.Development 113:1435-1449(1991).
Favor J.,et al.Genetics 159:1689-1700(2001).
Carninci P.,et al.Science 309:1559-1563(2005).
Walther C.,et al.Genomics 11:424-434(1991).
Ton C.C.T.,et al.Genomics 13:251-256(1992).