

Mouse Pax6 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21096a**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**

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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).