

**PAX6 Blocking Peptide**  
**Catalog # PBV10283b****Specification**

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**PAX6 Blocking Peptide - Product Information**

Primary Accession	<a href="#">P63016</a>
Other Accession	<a href="#">EDL79723</a>
Gene ID	<b>25509</b>
Calculated MW	<b>46754</b>

**PAX6 Blocking Peptide - Additional Information****Gene ID** 25509**Application & Usage**

The peptide is used for blocking the antibody activity of Pax6. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

**Other Names**

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

**Target/Specificity**

PAX6

**Formulation**

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 1% BSA, 50% glycerol, and 0.02% thimerosal.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

PAX6 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

**PAX6 Blocking Peptide - 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. Competes with PAX4 in binding to a common element in the glucagon, insulin and somatostatin promoters (By similarity). Regulates specification of the ventral neuron subtypes by establishing the correct progenitor domains. Acts as a transcriptional repressor of NFATC1-mediated gene expression (By similarity).

**Cellular Location**

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

**PAX6 Blocking Peptide - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PAX6 Blocking Peptide - Images**