

**PAX6 Blocking Peptide (Center)**  
Synthetic peptide  
Catalog # BP20979a**Specification****PAX6 Blocking Peptide (Center) - Product Information**

Primary Accession [P26367](#)  
Other Accession [P63015](#), [P26630](#),  
[Q1LZF1](#)

**PAX6 Blocking Peptide (Center) - 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 is selected from aa 183-194 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.

**PAX6 Blocking Peptide (Center) - Protein Information**

**Name** PAX6

**Synonyms** AN2

**Function**

Transcription factor with important functions in the development of the eye,

**PAX6 Blocking Peptide (Center) - 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 (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). Isoform 5a appears to function as a molecular switch that specifies target genes.

**PAX6 Blocking Peptide (Center) - References**

Ton C.C.T.,et al.Cell 67:1059-1074(1991).  
Glaser T.,et al.Nat. Genet. 2:232-239(1992).  
Liu J.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).  
Taylor T.D.,et al.Nature 440:497-500(2006).

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 Blocking Peptide (Center) -  
Protocols**

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

- [Blocking Peptides](#)