

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](/products/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**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)

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](#)