

**PAX2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17017c**

**Specification**

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**PAX2 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q02962](#)

**PAX2 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 5076

**Other Names**

Paired box protein Pax-2, PAX2

**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.

**PAX2 Antibody (Center) Blocking Peptide - Protein Information**

**Name** PAX2

**Function**

Transcription factor that may have a role in kidney cell differentiation (PubMed:<a href="http://www.uniprot.org/citations/24676634" target="\_blank">24676634</a>). Has a critical role in the development of the urogenital tract, the eyes, and the CNS.

**Cellular Location**

Nucleus.

**Tissue Location**

Expressed in primitive cells of the kidney, ureter, eye, ear and central nervous system

**PAX2 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PAX2 Antibody (Center) Blocking Peptide - Images**

### **PAX2 Antibody (Center) Blocking Peptide - Background**

PAX2 encodes paired box gene 2, one of many human homologues of the *Drosophila melanogaster* gene *prd*. The central feature of this transcription factor gene family is the conserved DNA-binding paired box domain. PAX2 is believed to be a target of transcriptional suppression by the tumor suppressor gene WT1. Mutations within PAX2 have been shown to result in optic nerve colobomas and renal hypoplasia. Alternative splicing of this gene results in multiple transcript variants.

### **PAX2 Antibody (Center) Blocking Peptide - References**

Monte, N.M., et al. *Cancer Res.* 70(15):6225-6232(2010) Ozcan, A., et al. *Arch. Pathol. Lab. Med.* 134(8):1121-1129(2010) Quick, C.M., et al. *Hum. Pathol.* 41(8):1145-1149(2010) Martinovic-Bouriel, J., et al. *Am. J. Med. Genet. A* 152A (4), 830-835 (2010) : Rabban, J.T., et al. *Am. J. Surg. Pathol.* 34(2):137-146(2010)