

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

Specification

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:24676634). 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)