

**VAX2 Antibody(Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP19557c****Specification**

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**VAX2 Antibody(Center) Blocking peptide - Product Information**Primary Accession [Q9UIW0](#)**VAX2 Antibody(Center) Blocking peptide - Additional Information****Gene ID** 25806**Other Names**

Ventral anterior homeobox 2, VAX2

**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.

**VAX2 Antibody(Center) Blocking peptide - Protein Information****Name** VAX2**Function**

Transcription factor that may function in dorsoventral specification of the forebrain. Regulates the expression of Wnt signaling antagonists including the expression of a truncated TCF7L2 isoform that cannot bind CTNNB1 and acts therefore as a potent dominant-negative Wnt antagonist. Plays a crucial role in eye development and, in particular, in the specification of the ventral optic vesicle (By similarity). May be a regulator of axial polarization in the retina.

**Cellular Location**

Nucleus.

**VAX2 Antibody(Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**VAX2 Antibody(Center) Blocking peptide - Images**

**VAX2 Antibody(Center) Blocking peptide - Background**

This gene encodes a homeobox protein and is almost exclusively expressed in the ventral portion of the retina during development. In mouse studies, this gene was found to be required for the correct formation of the optic fissure and other aspects of retinal development.

**VAX2 Antibody(Center) Blocking peptide - References**

Bailey, S.D., et al. Diabetes Care (2010) In press :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Holland, P.W., et al. BMC Biol. 5, 47 (2007) :Beaty, T.H., et al. Hum. Genet. 120(4):501-518(2006)Barbieri, A.M., et al. Proc. Natl. Acad. Sci. U.S.A. 96(19):10729-10734(1999)