

**VAX2 Antibody(Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19557c**

**Specification**

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**VAX2 Antibody(Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9UIW0</a>
Other Accession	<a href="#">O9JLZ9</a> , <a href="#">O9WTP9</a> , <a href="#">NP_036608.1</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	30874
Antigen Region	138-166

**VAX2 Antibody(Center) - Additional Information**

**Gene ID** 25806

**Other Names**

Ventral anterior homeobox 2, VAX2

**Target/Specificity**

This VAX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-166 amino acids from the Central region of human VAX2.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

VAX2 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**VAX2 Antibody(Center) - 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

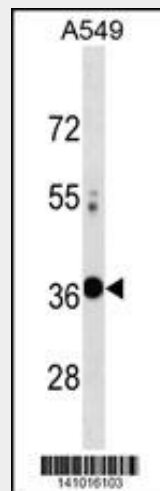
Nucleus.

#### VAX2 Antibody(Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### VAX2 Antibody(Center) - Images



VAX2 Antibody (Center) (Cat. #AP19557c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the VAX2 antibody detected the VAX2 protein (arrow).

#### VAX2 Antibody(Center) - 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) - 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)