SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-VAX2 antibody

Catalog Number: SL11497R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	VAX2
Immunogen:	KLH conjugated synthetic peptide derived from human VAX2: 131-205/290
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Cow, Rabbit, Sheep)
Predicted MW.:	31kDa
Subcellular Location:	The nucleus
Background:	VAX2 is a 290 amino acid homeobox protein that plays a crucial role in development of the eye, particularly in the specification of the ventral optic vesicle and in establishment of a correct dorsoventral pattern. VAX2 acts as a transcription factor with VAX1 to cooperatively regulate retinal differentiation, neuroepithelial cell proliferation and axial polarization in the retina. Together, VAX1 and VAX2 repress transcription of Pax-6, a strong inducer of retinal development. VAX1 and VAX2 localize to the nucleus and contain one homeobox DNA-binding domain each. **Function:** VAX2 belongs to the EMX homeobox family and contains 1 homeobox DNA-binding domain. VAX2 gene has high sequence similarity to

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	VAX1 gene and is almost exclusively expressed in the ventral portion of the retina during development. It may play an important role in morphogenetic processes underlying the correct development of the eye, particularly in the establishment of a correct dorsoventral pattern and may be a regulator of axial polarization in the retina. **Subcellular Location:** Nuclear **Similarity:** Belongs to the EMX homeobox family. Contains 1 homeobox DNA-binding domain. **Database links:** **Entrez Gene:** 25806 Human **Entrez Gene:** 24113 Mouse GenBank: NP_036608.1 Human Omim: 604295 Human **SwissProt:** Q9UIW0 Human **SwissProt:** Q9WTP9 Mouse Unigene: Human **Unigene:** 249170 Human **Unigene:** 307165 Mouse

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.