

For Research Use Only

VAX2 Polyclonal antibody

Catalog Number: 15773-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

15773-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8439

GenBank Accession Number:

BC006336

GeneID (NCBI):

25806

UNIPROT ID:

Q9UIW0

Full Name:

ventral anterior homeobox 2

Calculated MW:

290 aa, 31 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse eye tissue,

IP : Y79 cells,

IHC : human ovary tumor tissue, rat eye tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Ventral anterior homeobox 2 (VAX2) has been reported to be specifically expressed in the ventral region of the prospective neural retina in vertebrates and plays crucial roles in regulating the proper development of the ventral region of eye (PMID: 21148184). VAX2 inactivation in mouse leads to alterations in the establishment of a proper dorsoventral eye axis during embryonic development (PMID: 33817157).

Notable Publications

Author	Pubmed ID	Journal	Application
Bei Guo	33817157	Open Life Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

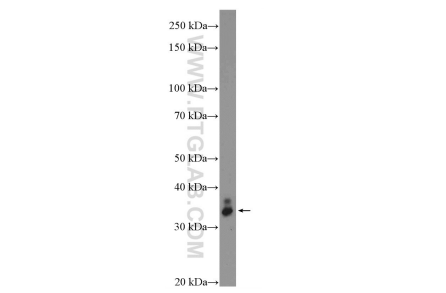
For technical support and original validation data for this product please contact:

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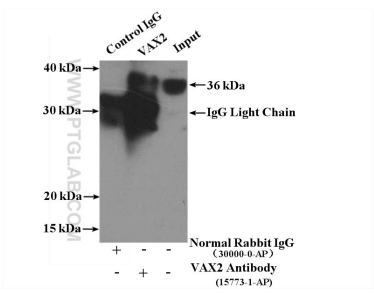
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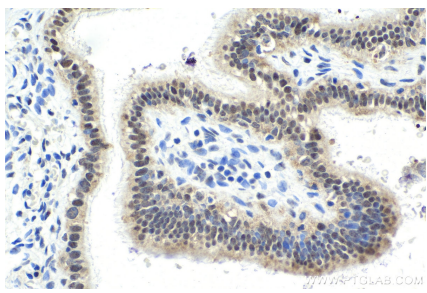
Selected Validation Data



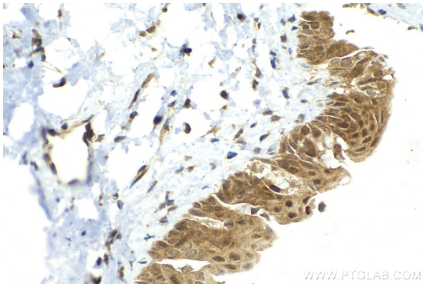
mouse eye tissue were subjected to SDS PAGE followed by western blot with 15773-1-AP (VAX2 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-VAX2 (IP:15773-1-AP, 4ug; Detection:15773-1-AP 1:300) with Y79 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 15773-1-AP (VAX2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat eye tissue slide using 15773-1-AP (VAX2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).