

For Research Use Only

# ZHX2 Monoclonal antibody

Catalog Number: 68268-1-Ig

Featured Product



## Basic Information

Catalog Number:

68268-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG14420

GenBank Accession Number:

BC042145

GeneID (NCBI):

22882

UNIPROT ID:

Q9Y6X8

Full Name:

zinc fingers and homeoboxes 2

Calculated MW:

837 aa, 92 kDa

Observed MW:

92-100 kDa

Purification Method:

Protein G purification

CloneNo.:

4E12F2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:250-1:1000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, pig, rabbit

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

Positive Controls:

WB: SH-SY5Y cells, HEK-293 cells, LNCaP cells, HeLa cells, Jurkat cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

IHC: mouse brain tissue,

IF/ICC: A431 cells,

## Background Information

Zinc fingers and homeoboxes protein 2 is a protein that in humans is encoded by the ZHX2 gene. ZHX2 Act as a transcriptional repressor, represses the promoter activity of the CDC25C gene stimulated by NFYA (PMID:12741956). In addition to forming homodimers, this protein heterodimerizes with member 1 of the zinc fingers and homeoboxes family.

## 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

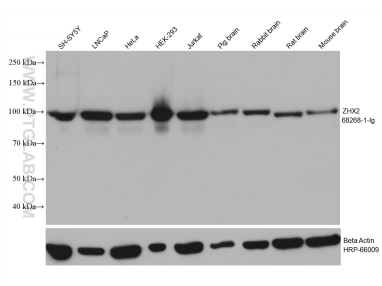
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

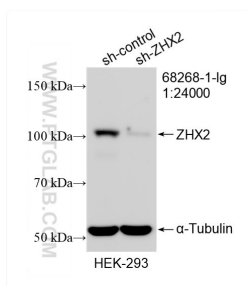
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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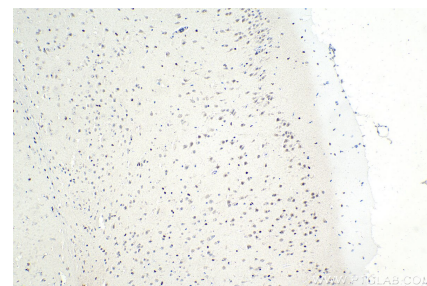
## Selected Validation Data



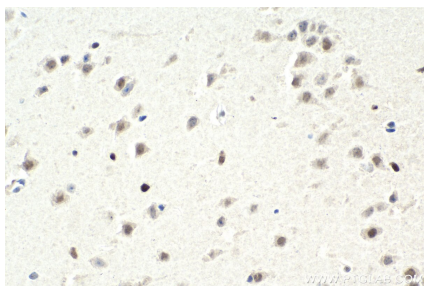
Various lysates were subjected to SDS PAGE followed by western blot with 68268-1-Ig (ZHX2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



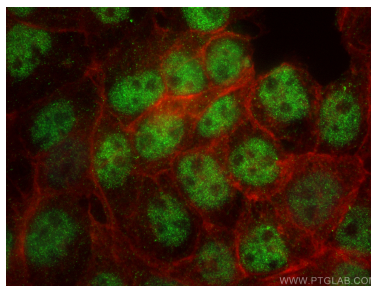
WB result of ZHX2 antibody (68268-1-Ig; 1:24000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZHX2 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68268-1-Ig (ZHX2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68268-1-Ig (ZHX2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using ZHX2 antibody (68268-1-Ig, Clone: 4E12F2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).