

For Research Use Only

# ZHX2 Polyclonal antibody

Catalog Number: 20136-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

20136-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 360 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14088

### 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:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:5000

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

IHC 1:50-1:500

IF/ICC 1:300-1:1200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, ChIP, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**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** : HeLa cells, HEK-293 cells, mouse brain tissue, mouse skeletal muscle tissue, mouse ovary tissue, mouse lung tissue, rat brain tissue, Jurkat cells

**IP** : mouse brain tissue,

**IHC** : human colon cancer tissue,

**IF/ICC** : HepG2 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Anqi Cheng	33837660	FEBS Open Bio	WB, IHC
Xiaojia Song	29752719	Int J Cancer	WB
Zehua Wang	32179636	J Immunol	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

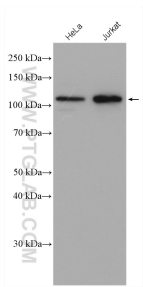
For technical support and original validation data for this product please contact:

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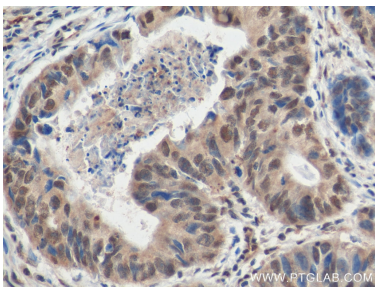
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

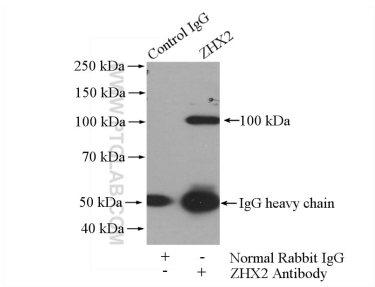
Selected Validation Data



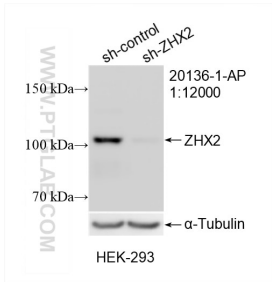
Various lysates were subjected to SDS PAGE followed by western blot with 20136-1-AP (ZHX2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



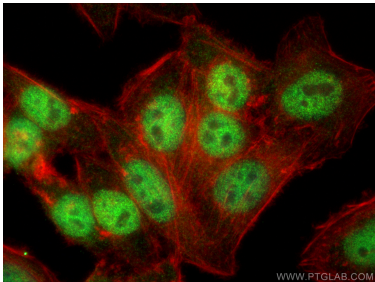
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20136-1-AP (ZHX2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ZHX2 (IP:20136-1-AP, 4ug; Detection:20136-1-AP 1:800) with mouse brain tissue lysate 2800ug.



WB result of ZHX2 antibody (20136-1-AP; 1:24000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZHX2 transfected HEK-293 cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ZHX2 antibody (20136-1-AP) at dilution of 1:600 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).