

ZHX2 Polyclonal antibody

Catalog Number: 20136-1-AP

Featured Product

10 Publications

Basic Information

Catalog Number:

20136-1-AP

Size:

650 µg/ml

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 µg 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

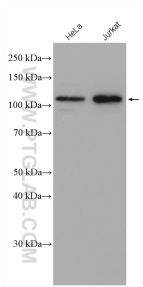
For technical support and original validation data for this product please contact:

T: 4006900926

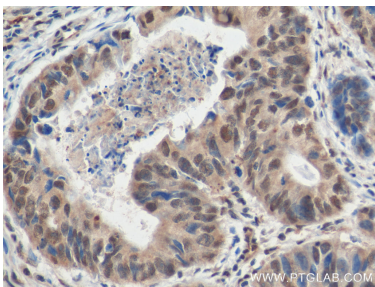
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

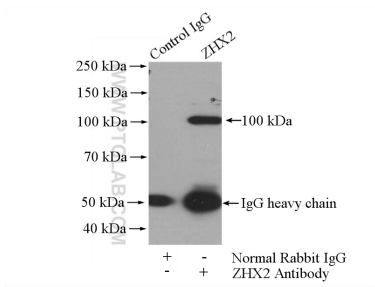
Selected Validation Data



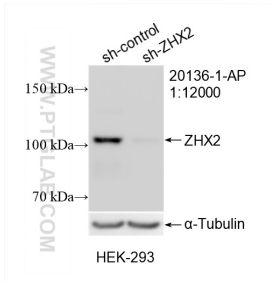
Various lysates were subjected to SDS PAGE followed by western blot with 20136-1-AP (ZHX2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



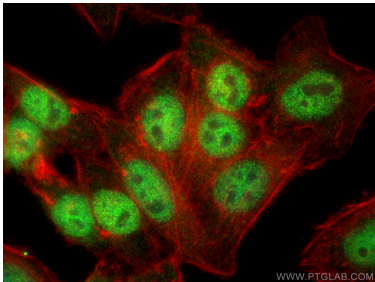
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20136-1-AP (ZHX2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).