

For Research Use Only

ZHX2 Polyclonal antibody

Catalog Number: 20136-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number: 20136-1-AP	GenBank Accession Number: BC042145	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 650 µg/ml by Nanodrop and 360 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 22882	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 1:300-1:1200
Source: Rabbit	UNIPROT ID: Q9Y6X8	
Isotype: IgG	Full Name: zinc fingers and homeoboxes 2	
Immunogen Catalog Number: AG14088	Calculated MW: 837 aa, 92 kDa	
	Observed MW: 92-100 kDa	

Applications

Tested Applications:
WB, IP, IF, IHC, ELISA

Cited Applications:
WB, IF, IHC, ChIP

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: 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

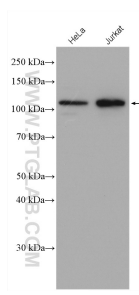
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

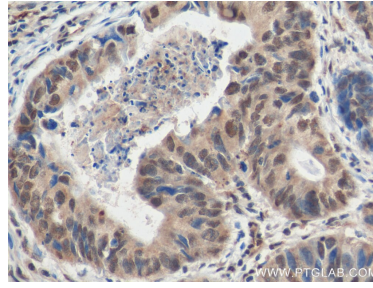
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

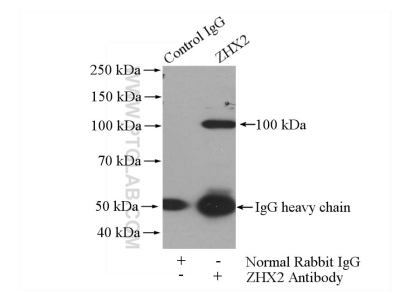
Selected Validation Data



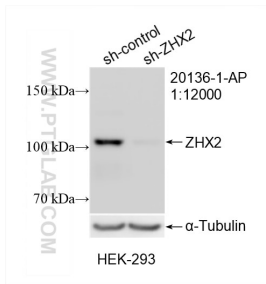
Various lysates were subjected to SDS PAGE followed by western blot with 20136-1-AP (ZHX2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



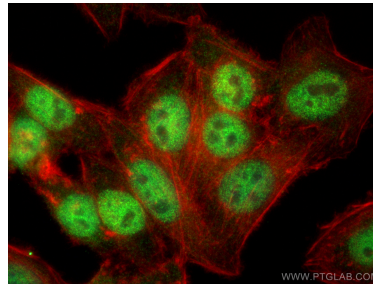
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20136-1-AP (ZHX2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 CoralLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).