

For Research Use Only

WWOX Polyclonal antibody

Catalog Number: 15299-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number: 15299-1-AP	GenBank Accession Number: BC003184	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51741	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:250-1:1000
Source: Rabbit	Full Name: WW domain containing oxidoreductase	
Isotype: IgG	Calculated MW: 47 kDa	
Immunogen Catalog Number: AG7555	Observed MW: 46 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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: HepG2 cells, MCF-7 cells, mouse skeletal muscle tissue, mouse kidney tissue, mouse liver tissue, mouse testis tissue

IP: mouse skeletal muscle tissue,

IHC: human liver cancer tissue, mouse liver tissue, human breast cancer tissue

Background Information

WWOX(WW domain-containing oxidoreductase) is also named as FOR, WOX1 and belongs to the short-chain dehydrogenases/reductases (SDR) family. The gene encodes a 46 kDa protein that contains two WW domains and a short-chain dehydrogenase/reductase domain and the protein is lost or reduced in the majority of many cancer types including breast, prostate, esophageal, lung, stomach, and pancreatic carcinomas and in a large fraction of other cancer types(PMID:17360458). WWOX behaves as a potential tumor-suppressor gene(PMID:15064722). It has 7 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Mariska Davids	30362252	Hum Mutat	WB
Che-Yuan Hu	28708106	Molecules	WB
Yakun Hu	31966058	Oncol Lett	IHC

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

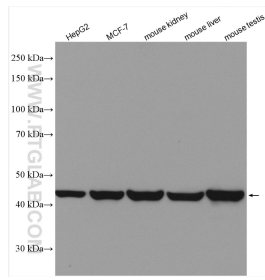
For technical support and original validation data for this product please contact:

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

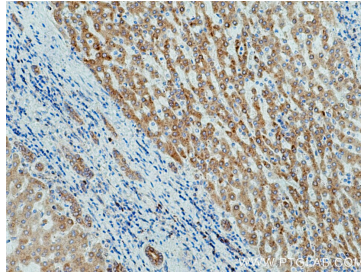
E: proteintech@ptglab.com
W: ptglab.com

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

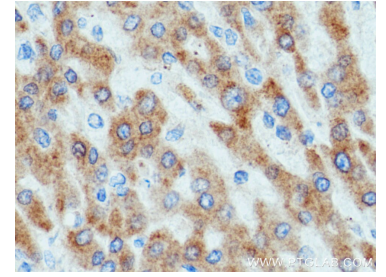
Selected Validation Data



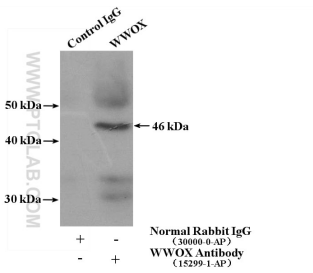
Various lysates were subjected to SDS PAGE followed by western blot with 15299-1-AP (WWOX antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



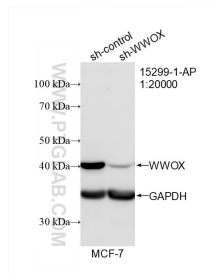
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15299-1-AP (WWOX antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15299-1-AP (WWOX antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-WWOX (IP:15299-1-AP, 4ug; Detection:15299-1-AP 1:500) with mouse skeletal muscle tissue lysate 4000ug.



WB result of WWOX antibody (15299-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-WWOX transfected MCF-7 cells.