

For Research Use Only

# WWOX Polyclonal antibody

Catalog Number: 15299-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

15299-1-AP

### Size:

900 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7555

### GenBank Accession Number:

BC003184

### GeneID (NCBI):

51741

### UNIPROT ID:

Q9NZC7

### Full Name:

WW domain containing oxidoreductase

### Calculated MW:

47 kDa

### Observed MW:

46 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, pig

**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

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

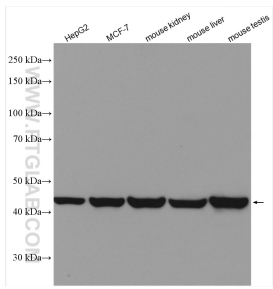
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

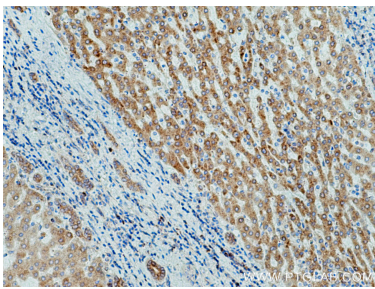
W: [ptgcn.com](http://ptgcn.com)

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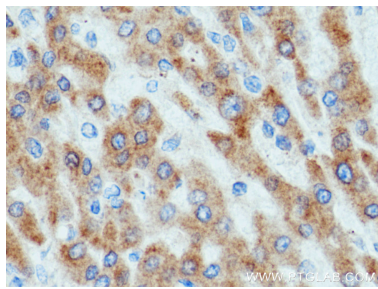
Selected Validation Data



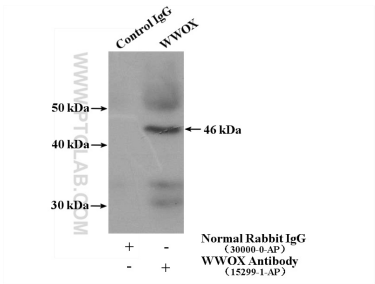
Various lysates were subjected to SDS PAGE followed by western blot with 15299-1-AP (WWOX antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



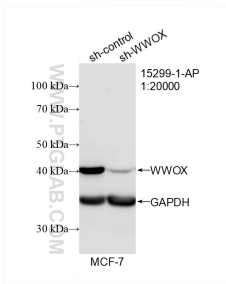
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15299-1-AP (WWOX antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.