

For Research Use Only

# WWOX Polyclonal antibody

Catalog Number: 15299-1-AP

Featured Product

6 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:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**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

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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:

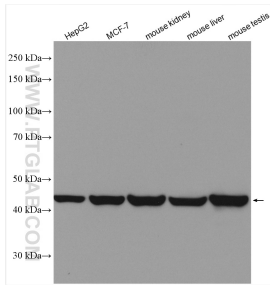
T: 4006900926

E: Proteintech-CN@ptglab.com

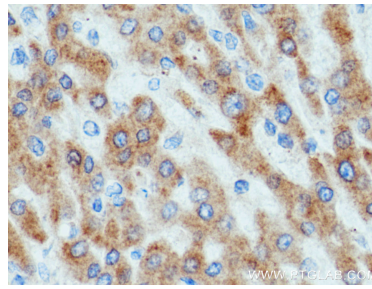
W: ptgcn.com

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

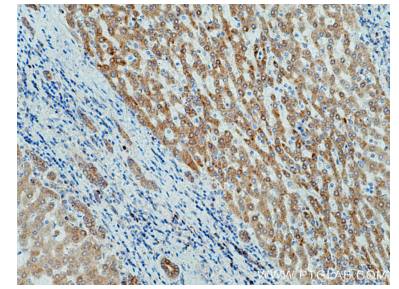
## Selected Validation Data



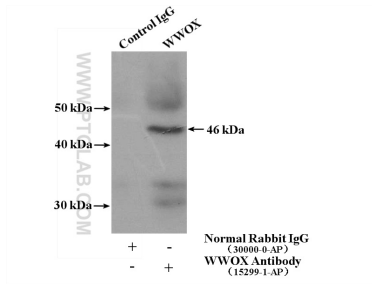
Various lysates were subjected to SDS PAGE followed by western blot with 15299-1-AP (WWOX antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



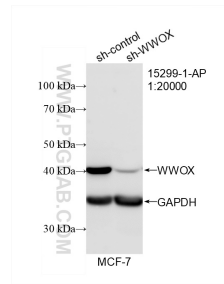
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15299-1-AP (WWOX antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15299-1-AP (WWOX antibody) at dilution of 1:500 (under 10x 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.