

For Research Use Only

WWP2 Polyclonal antibody

Catalog Number: 12197-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

12197-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2835

GenBank Accession Number:

BC013645

GeneID (NCBI):

11060

UNIPROT ID:

O00308

Full Name:

WW domain containing E3 ubiquitin protein ligase 2

Calculated MW:

870 aa, 99 kDa

Observed MW:

110-115 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IP, IF, IHC, CoIP

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: mouse liver tissue, HepG2 cells, A549 cells

IP: A549 cells,

IHC: human pancreas cancer tissue,

Background Information

WWP2(WW domain-containing protein 2) is also named as AIP2 and belongs to the NEDD4-like protein family. It functions as an E3 ubiquitin ligase for PTEN that plays a vital role in tumour-cell survival and is also involved in regulating transcription, embryonic stem-cell fate, cellular transport and T-cell activation processes(PMID:21532586).WWP2, which specifically interacted with ES cell-specific transcription factor Oct-4 and promoted its ubiquitination both in vitro and in vivo, is a ubiquitously expressed protein and exists in both cytoplasmic and nuclear compartments in ES cells(PMID:15047715).

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Yan	36211818	Oxid Med Cell Longev	WB
Xinxin Lu	36257929	Cell Death Discov	WB,IF,IP
Mao-Xu Ge	31621893	Br J Pharmacol	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:

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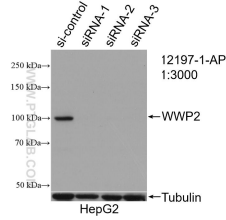
W: ptgcn.com

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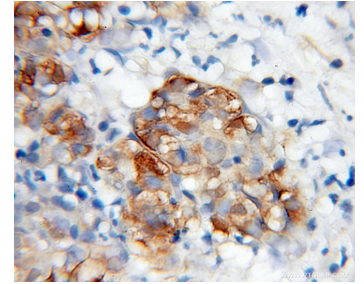
Selected Validation Data



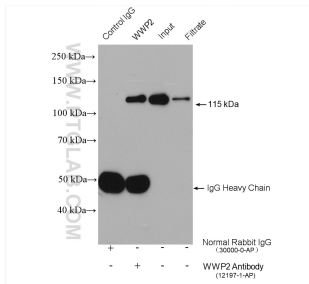
mouse liver tissue were subjected to SDS PAGE followed by western blot with 12197-1-AP (WWP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



WB result of WWP2 antibody (12197-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-WWP2 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 12197-1-AP (WWP2 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-WWP2 (IP:12197-1-AP, 4 μ g; Detection:12197-1-AP 1:1000) with A549 cells lysate 800 μ g.