

For Research Use Only

USP2 Polyclonal antibody

Catalog Number: 15404-1-AP

1 Publications



Basic Information

Catalog Number:

15404-1-AP

Size:

180 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7658

GenBank Accession Number:

BC002854

GeneID (NCBI):

9099

UNIPROT ID:

O75604

Full Name:

ubiquitin specific peptidase 2

Calculated MW:

68 kDa

Observed MW:

41-50 kDa, 68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IF, IHC, ELISA

Cited Applications:

WB, ColP

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 : mouse testis tissue, MCF-7 cells, mouse brain tissue

IHC : human liver tissue,

IF/ICC : HepG2 cells,

Background Information

Ubiquitin, a highly conserved protein involved in the regulation of intracellular protein breakdown, cell cycle regulation, and stress response, is released from degraded proteins by disassembly of the polyubiquitin chains. The disassembly process is mediated by ubiquitin-specific proteases (USPs). USP2 is also named as UBP41. USP2 can interact indirectly with multiple clock proteins, so it remains possible that USP2 may modulate the ubiquitination and function of these other proteins. It has 4 isoforms produced by alternative splicing with the MW of 68, 41, 40 and 45 kDa. USP2 can exist as a homooligomer.

Notable Publications

Author	Pubmed ID	Journal	Application
Fanghua Xu	39197387	Transl Oncol	WB, ColP

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:

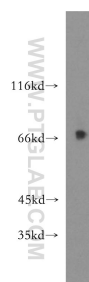
T: 4006900926

E: Proteintech-CN@ptglab.com

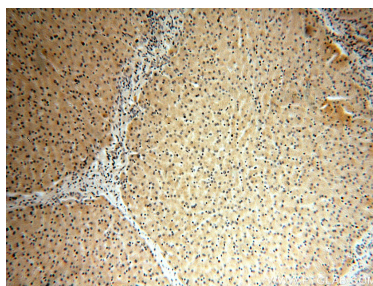
W: ptgcn.com

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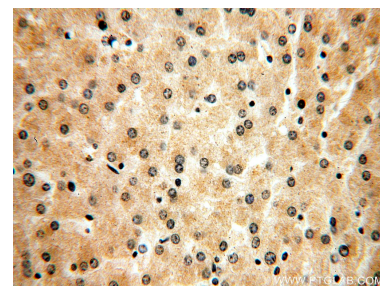
Selected Validation Data



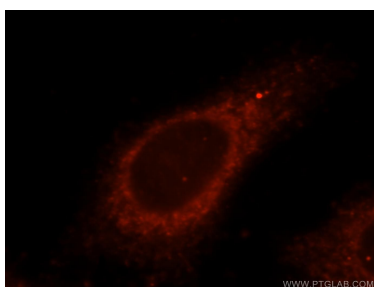
mouse testis tissue were subjected to SDS PAGE followed by western blot with 15404-1-AP (USP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 15404-1-AP (USP2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 15404-1-AP (USP2 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using USP2 antibody 15404-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).