

For Research Use Only

USP2 Polyclonal antibody

Catalog Number: 15404-1-AP

1 Publications



Basic Information

Catalog Number: 15404-1-AP	GenBank Accession Number: BC002854	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 180 µg/ml by Nanodrop and 180 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9099	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: O75604	IHC 1:20-1:200
Isotype: IgG	Full Name: ubiquitin specific peptidase 2	IF/ICC 1:10-1:100
Immunogen Catalog Number: AG7658	Calculated MW: 68 kDa	
	Observed MW: 41-50 kDa, 68 kDa	

Applications

Tested Applications: WB, IF, IHC, ELISA	Positive Controls:
Cited Applications: WB, ColP	WB : mouse testis tissue, MCF-7 cells, mouse brain tissue
Species Specificity: human, mouse, rat	IHC : human liver tissue,
Cited Species: human	IF/ICC : HepG2 cells,

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

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

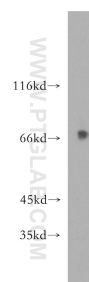
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

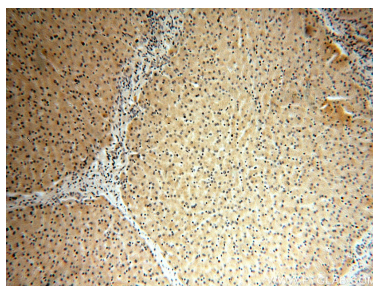
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

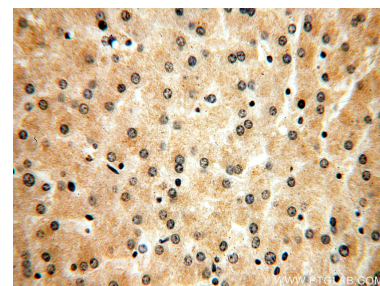
Selected Validation Data



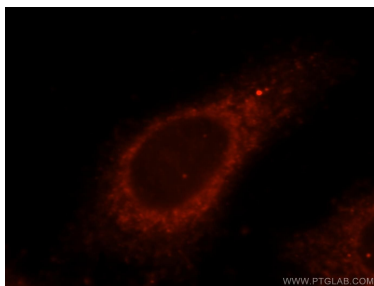
mouse testis tissue were subjected to SDS PAGE followed by western blot with 15404-1-AP (USP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).