

For Research Use Only

USP3 Polyclonal antibody

Catalog Number: 12490-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

12490-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3085

GenBank Accession Number:

BC018113

GeneID (NCBI):

9960

UNIPROT ID:

Q9Y6L4

Full Name:

ubiquitin specific peptidase 3

Calculated MW:

520 aa, 59 kDa

Observed MW:

53-59 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IP, CoIP, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB : A549 cells, K-562 cells, RAW264.7, HepG2 cells, Jurkat cells

IP : mouse liver tissue,

IF/ICC : HeLa cells, HepG2 cells, MCF-7 cells

Background Information

USP3(Ubiquitin carboxyl-terminal hydrolase 3) belongs to the peptidase C19 family. It may regulate the DNA damage response (DDR) checkpoint through deubiquitination of H2A at DNA damage sites. USP3 is implicated as a novel chromatin modifier in the maintenance of genome integrity. This protein has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Wanxin Zhuang	36050480	Cell Mol Immunol	WB,IF,IP,CoIP
Ke Shi	34758762	BMC Cancer	WB
Simin Zhao	36574218	Chin Med J (Engl)	WB,CoIP

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:

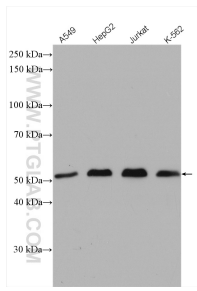
T: 4006900926

E: Proteintech-CN@ptglab.com

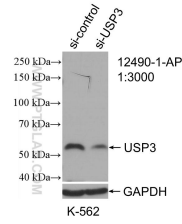
W: ptgcn.com

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

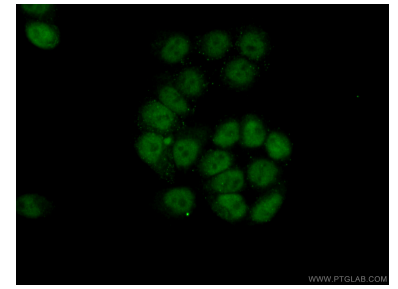
Selected Validation Data



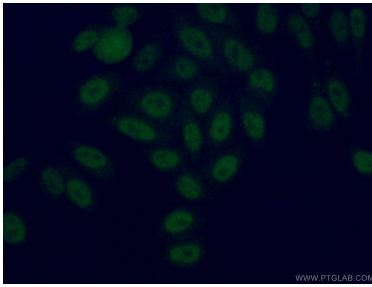
Various lysates were subjected to SDS PAGE followed by western blot with 12490-1-AP (USP3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



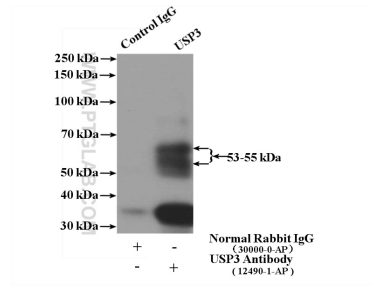
WB result of USP3 antibody (12490-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP3 transfected K-562 cells.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 12490-1-AP (USP3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 12490-1-AP (USP3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-USP3 (IP:12490-1-AP, 4ug; Detection:12490-1-AP 1:500) with mouse liver tissue lysate 4000ug.