

For Research Use Only

USP14 Monoclonal antibody

Catalog Number: 67746-1-Ig **3 Publications**



Basic Information

Catalog Number:

67746-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6312

GenBank Accession Number:

BC003556

GeneID (NCBI):

9097

UNIPROT ID:

P54578

Full Name:

ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)

Calculated MW:

54 kDa

Observed MW:

60 kDa

Purification Method:

Protein G purification

CloneNo.:

3B12G3

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

Human, Mouse, Rat, Pig, Rabbit

Cited Species:

human, mouse

Positive Controls:

WB : HCT 116 cells, HeLa cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue, U2OS cells, K-562 cells

IF/ICC : HepG2 cells,

Background Information

USP14 (Ubiquitin carboxyl-terminal hydrolase 14) is also named as TGT and belongs to the peptidase C19 family. Mammalian USP14 is unique among known UBP enzymes in that it is activated catalytically upon specific association with the 26S proteasome. USP14 inhibition accelerated the degradation of oxidized proteins and enhanced resistance to oxidative stress.

Notable Publications

Author	Pubmed ID	Journal	Application
Haiying Rui	39178733	Redox Biol	IP,IF
Chang Liu	38376172	Oral Dis	WB
Yuting Chen	38228715	Br J Cancer	IHC,IF

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:

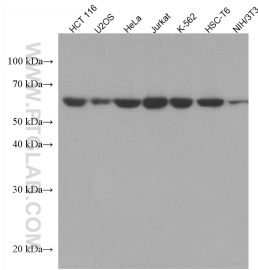
T: 4006900926

E: Proteintech-CN@ptglab.com

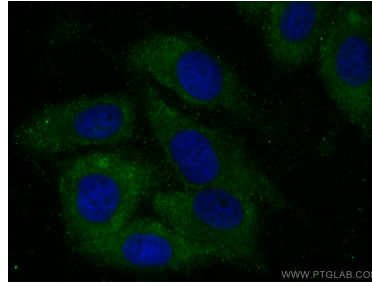
W: ptgcn.com

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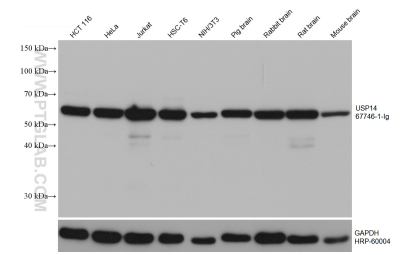
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67746-1-Ig (USP14 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using USP14 antibody (67746-1-Ig, Clone: 3B12G3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 67746-1-Ig (USP14 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.