

For Research Use Only

USP14 Monoclonal antibody

Catalog Number: 67746-1-Ig 5 Publications



Basic Information

Catalog Number:	67746-1-Ig	GenBank Accession Number:	BC003556	Purification Method:	Protein G purification
Size:	1000 µg/ml	GeneID (NCBI):	9097	CloneNo.:	3B12G3
Source:	Mouse	UNIPROT ID:	P54578	Recommended Dilutions:	WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype:	IgG1	Full Name:	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)		
Immunogen Catalog Number:	AG6312	Calculated MW:	54 kDa		
		Observed MW:	60 kDa		

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	
Cited Applications:	WB, IHC, IF, IP	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
Species Specificity:	Human, Mouse, Rat, Pig, Rabbit	IF/ICC :	HepG2 cells,
Cited Species:	human, mouse, rat		

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
Zhiming Zhang	39490774	Free Radic Biol Med	WB
Ayako Nogami	39408703	Int J Mol Sci	WB
Haiying Rui	39178733	Redox Biol	IP, IF

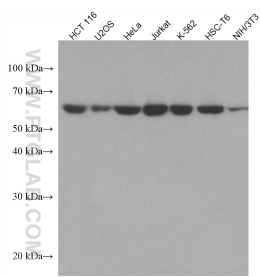
Storage

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

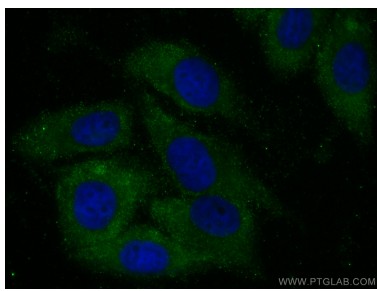
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

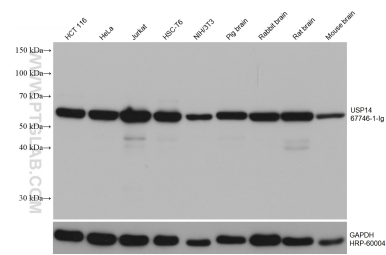
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.