

For Research Use Only

# USP14 Monoclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 67746-1-Ig	<b>GenBank Accession Number:</b> BC003556	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9097	<b>CloneNo.:</b> 3B12G3
<b>Source:</b> Mouse	<b>Full Name:</b> ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)	<b>Recommended Dilutions:</b> IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 54 kDa	
<b>Immunogen Catalog Number:</b> AG6312	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b> 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
<b>Cited Applications:</b> IF, IHC	<b>IF :</b> HepG2 cells,
<b>Species Specificity:</b> Human, Mouse, Rat, Pig, Rabbit	
<b>Cited Species:</b> human	

## 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
Yuting Chen	38228715	Br J Cancer	IHC,IF

## Storage

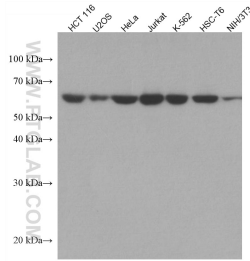
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

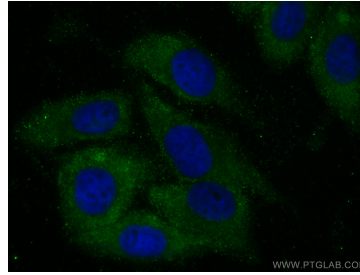
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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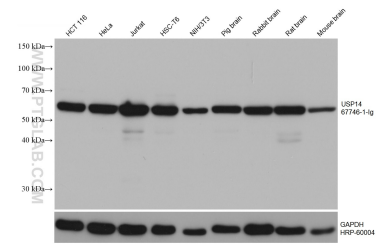
## Selected Validation Data



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 AffiniPure 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.