For Research Use Only

USP14 Recombinant antibody

Catalog Number:82128-1-RR Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
82128-1-RR

Size:
400 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5979

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 A purification

CloneNo.:
3G12

Recommended Dilutions:
WB 1:2000-1:16000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:
WB, IP, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:

WB : HCT 116 cells, HeLa cells, HEK-293T cells, DU 145 cells, Jurkat cells, NIH/3T3 cells, C6 cells

IP : mouse liver tissue,

Background Information

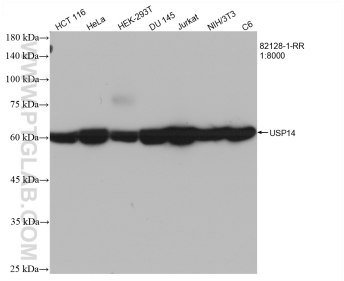
USP14(Ubiquitin carboxyl-terminal hydrolase 14) is also named as TGT and belongs to the peptidase C19 family. Mammalian USP14 is unique among known UBP enzymes in that it is activated catalytically upon specific association with the 26S proteasome. USP14 inhibition accelerated the degradation of oxidized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

Storage

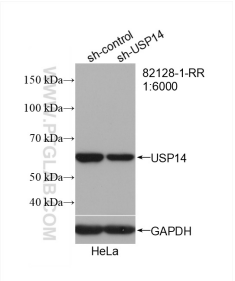
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

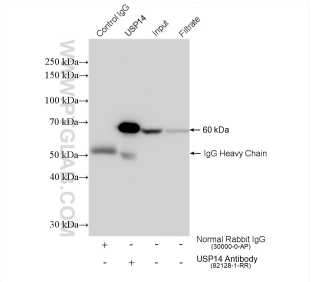
Selected Validation Data



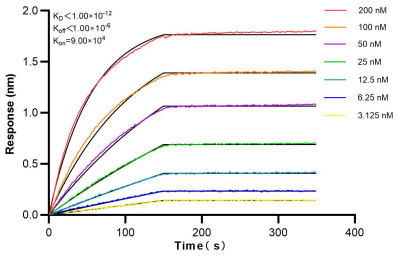
Various lysates were subjected to SDS PAGE followed by western blot with 82128-1-RR (USP14 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



WB result of USP14 antibody (82128-1-RR; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP14 transfected HeLa cells.



IP result of anti-USP14 (IP:82128-1-RR, 4ug; Detection:82128-1-RR 1:2000) with mouse liver tissue lysate 1840 ug.



Biolayer interferometry (BLI) kinetic assays of 82128-1-RR against Human USP14 were performed. The affinity constant is below 1 pM.