

For Research Use Only

# USP14 Recombinant antibody, PBS Only



Catalog Number: 82128-1-PBS

Featured Product

## Basic Information

Catalog Number:

82128-1-PBS

Size:

1mg/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

## Applications

Tested Applications:

WB, IP, Indirect ELISA

Species Specificity:

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.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

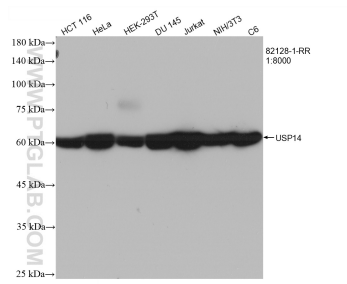
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

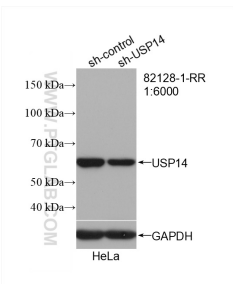
W: [ptgcn.com](http://ptgcn.com)

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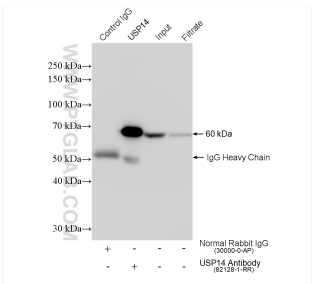
Selected Validation Data



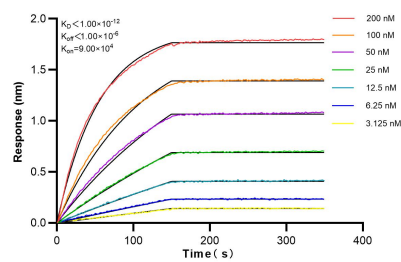
Various lysates were subjected to SDS PAGE followed by western blot with 82128-1-RR (USP14 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82128-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 82128-1-PBS in a different storage buffer formulation.



IP result of anti-USP14 (IP:82128-1-RR, 4ug; Detection:82128-1-RR 1:2000) with mouse liver tissue lysate 1840 ug. This data was developed using the same antibody clone with 82128-1-PBS in a different storage buffer formulation.



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