

For Research Use Only

USP30 Recombinant antibody

Catalog Number: 83240-5-RR

Featured Product



Basic Information

Catalog Number:

83240-5-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7620

GenBank Accession Number:

BC004868

GeneID (NCBI):

84749

UNIPROT ID:

Q70CQ3

Full Name:

ubiquitin specific peptidase 30

Calculated MW:

58.5 kDa

Observed MW:

59-67 kDa

Purification Method:

Protein A purification

CloneNo.:

240111C6

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, A549 cells, HEK-293 cells, SH-SY5Y cells

Background Information

USP30, a mitochondrion-localized deubiquitylase, regulates mitophagy. Mitochondrial damage stimulates parkin to assemble Lys 6, Lys 11 and Lys 63 chains on mitochondria, and that USP30 is a ubiquitin-specific deubiquitylase with a strong preference for cleaving Lys 6- and Lys 11-linked multimers. USP30 can be ubiquitinated by parkin (PARK2) at Lys-235 and Lys-289. USP30 inhibition is potentially beneficial for treating Parkinson disease by promoting mitochondrial clearance and quality control. USP30 was detected 67 kDa by ubiquitination (PMID: 34704599).

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:

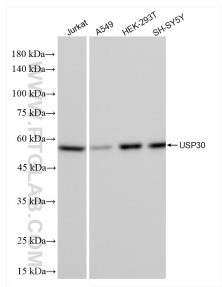
T: 4006900926

E: Proteintech-CN@ptglab.com

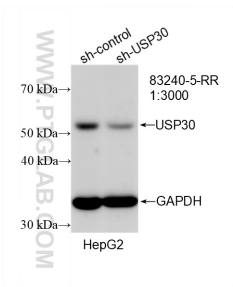
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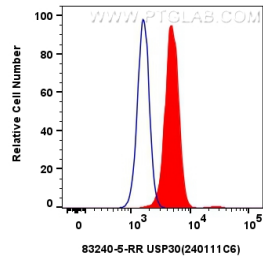
Selected Validation Data



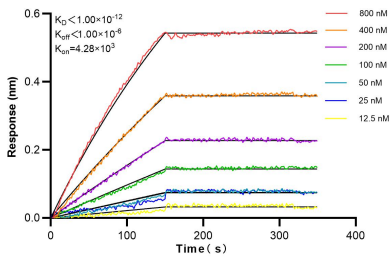
Various lysates were subjected to SDS PAGE followed by western blot with 83240-5-RR (USP30 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of USP30 antibody (83240-5-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP30 transfected HepG2 cells.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug USP30 Recombinant antibody (83240-5-RR, Clone:240111C6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83240-5-RR against Human USP30 were performed. The affinity constant is below 1 pM.