

For Research Use Only

UBC12 Recombinant antibody

Catalog Number: 83628-1-RR



Basic Information

Catalog Number:

83628-1-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5984

GenBank Accession Number:

BC058924

GeneID (NCBI):

9040

UNIPROT ID:

P61081

Full Name:

ubiquitin-conjugating enzyme E2M
(UBC12 homolog, yeast)

Calculated MW:

21 kDa

Observed MW:

17-20 kDa

Purification Method:

Protein A purification

CloneNo.:

240477H5

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, L02 cells, SMMC-7721 cells, A549 cells, HT-1080 cells

Background Information

UBE2M (Ubiquitin-conjugating enzyme E2 M), also called UBC12, accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction between UBE2M and the E3 ubiquitin ligase RBX1, but not RBX2, suggests that the RBX1-UBE2M complex neddylates specific target proteins, such as CUL1, CUL2, CUL3 and CUL4. Involved in cell proliferation (PMID: 10207026; 15361859).

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:

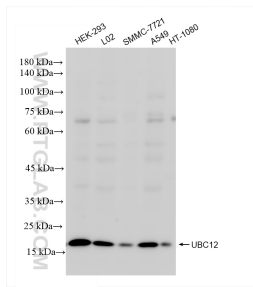
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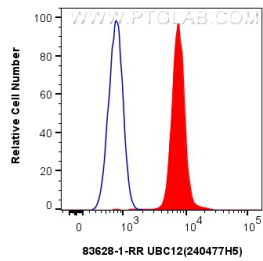
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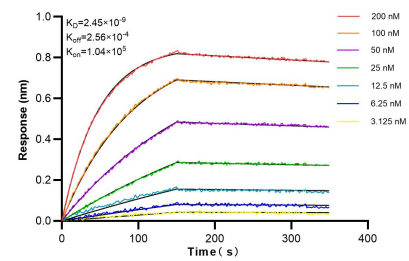
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83628-1-RR (UBC12 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



1x10⁶ HEK-293 cells were intracellularly stained with 0.25 ug UBC12 Recombinant antibody (83628-1-RR, Clone:240477H5) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83628-1-RR against Human UBC12 were performed. The affinity constant is 2.45 nM.