

For Research Use Only

UBC12 Recombinant antibody, PBS Only

Catalog Number: 83628-1-PBS



Basic Information

Catalog Number: 83628-1-PBS	GenBank Accession Number: BC058924	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9040	CloneNo.: 240477H5
Source: Rabbit	UNIPROT ID: P61081	
Isotype: IgG	Full Name: ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	
Immunogen Catalog Number: AG5984	Calculated MW: 21 kDa	
	Observed MW: 17-20 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human

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

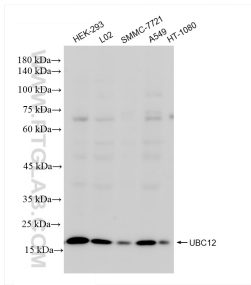
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

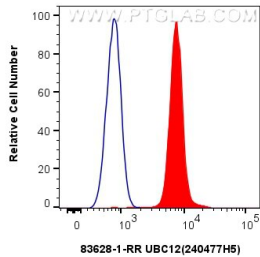
For technical support and original validation data for this product please contact:
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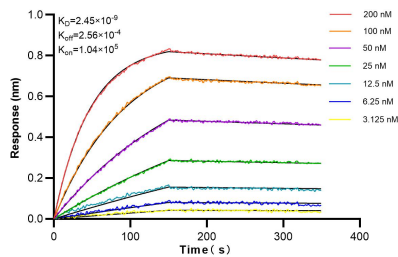
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83628-1-RR (UBC 12 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83628-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83628-1-PBS in a



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