

For Research Use Only

MIB1 Recombinant antibody

Catalog Number:83718-5-RR



Basic Information

Catalog Number: 83718-5-RR	GenBank Accession Number: BC022403	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 57534	CloneNo.: 240676E4
Source: Rabbit	UNIPROT ID: Q86YT6	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: mindbomb homolog 1 (Drosophila)	
Immunogen Catalog Number: AG2507	Calculated MW: 110 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, DU 145 cells, HEK-293 cells, K-562 cells, C6 cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

Background Information

MIB1(Mind bomb homolog 1) is an E3 ubiquitin-protein ligase that mediates ubiquitination of Delta receptors, which act as ligands of Notch proteins. MIB1, identified as an interactor of death associated protein kinase (DAPK), probably regulate apoptosis through ubiquitination and degradation of DAPK, thereby antagonizing anti-apoptotic effects of DAPK1 to promote TNF-induced apoptosis. MIB1 promotes proteasomal degradation of NRF2 and sensitizes lung cancer cells to ferroptosis(PMID: 34670864). In addition, MIB1 upregulates IQGAP1 and promotes pancreatic cancer progression by inducing ST7 degradation(PMID: 33793053).

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

*** 20ul sizes contain 0.1% BSA

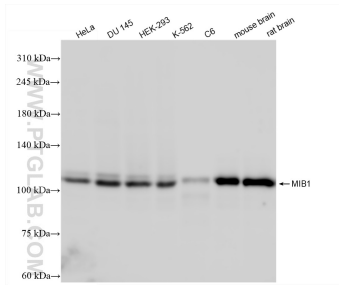
For technical support and original validation data for this product please contact:

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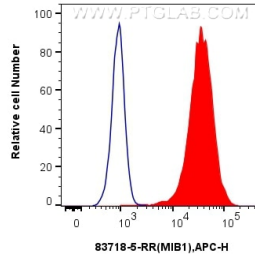
E: proteintech@ptglab.com
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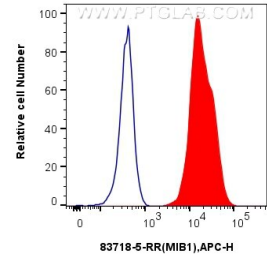
Selected Validation Data



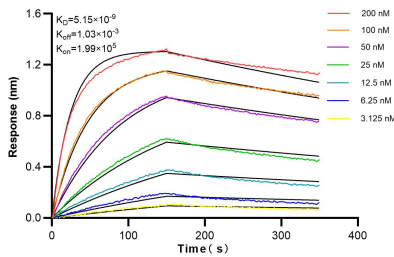
Various lysates were subjected to SDS PAGE followed by western blot with 83718-5-RR (MIB1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1×10^6 HeLa cells were intracellularly stained with 0.25 μ g MIB1 Recombinant antibody (83718-5-RR, Clone:240676E4) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1×10^6 SH-SY5Y cells were intracellularly stained with 0.25 μ g MIB1 Recombinant antibody (83718-5-RR, Clone:240676E4) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bi-layer interferometry (BLI) kinetic assays of 83718-5-RR against Human MIB1 were performed. The affinity constant is 5.15 nM.