

For Research Use Only

MPDZ/MUPP1 Recombinant monoclonal antibody

Catalog Number: 87358-1-RR



Basic Information

Catalog Number: 87358-1-RR	GenBank Accession Number: NM_001330637.1	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8777	CloneNo.: 252585G2
Source: Rabbit	UNIPROT ID: O75970-1	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: multiple PDZ domain protein	
Immunogen Catalog Number: EG5584	Calculated MW: 222 kDa	
	Observed MW: 250-280 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SK-N-SH cells, SH-SY5Y cells, A549 cells
Species Specificity: human	

Background Information

The PDZ domain is a protein motif that mediates protein-protein interactions. MUPP1(multi-PDZ domain protein-1) has 13 PDZ domains, each containing the structural characteristics of a prototypic PDZ motif, but lacks a catalytic domain. MUPP1 belongs to the PDZ domain protein family and is a structural homologant of PATJ (PALS1-associated tight-linking protein) (PMID: 23880463). MUPP1 is a scaffold protein and plays an important role in cytoskeletal organization, cell polarity, and cell proliferation(PMID: 25662616). Mutations in MUPP1 are associated with congenital hydrocephalus(PMID: 23240096).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

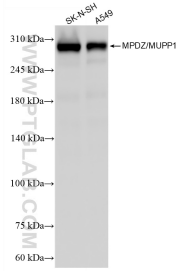
For technical support and original validation data for this product please contact:

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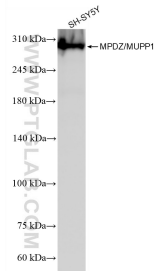
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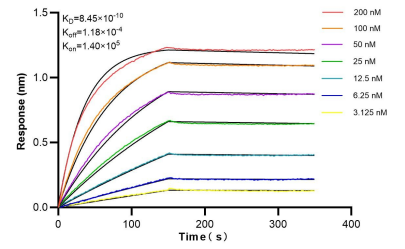
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87358-1-RR (MPDZ/MUFP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 87358-1-RR (MPDZ/MUFP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Bilayer interferometry (BLI) kinetic assays of 87358-1-RR against Human MPDZ/MUFP1 were performed. The affinity constant is 0.845 nM.