

For Research Use Only

MPDZ/MUPP1 Recombinant monoclonal antibody, PBS Only

Catalog Number:87358-1-PBS



Basic Information

Catalog Number: 87358-1-PBS	GenBank Accession Number: NM_001330637.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8777	CloneNo.: 252585G2
Source: Rabbit	UNIPROT ID: O75970-1	
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, Indirect ELISA

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 -80°C.

Storage Buffer:
PBS only, pH7.3

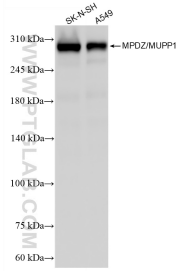
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

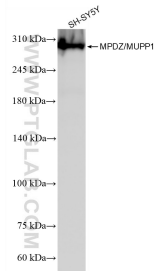
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

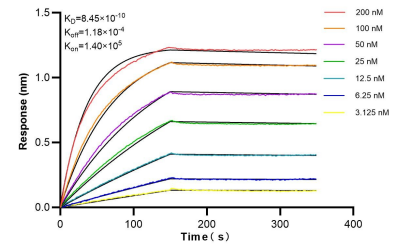
Selected Validation Data



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. This data was developed using the same antibody clone with 87358-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 87358-1-PBS in a different storage buffer formulation.



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