

For Research Use Only

MPHOSPH9 Recombinant antibody

Catalog Number: 83397-5-RR



Basic Information

Catalog Number: 83397-5-RR	GenBank Accession Number: BC130440	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 10198	CloneNo.: 240182D6
Source: Rabbit	UNIPROT ID: Q99550	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG	Full Name: M-phase phosphoprotein 9	
Immunogen Catalog Number: AG22228	Calculated MW: 1031 aa, 116 kDa	
	Observed MW: 116 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, rat brain tissue, NIH/3T3 cells, PC-12 cells, SH-SY5Y cells, mouse brain tissue
Species Specificity: human, mouse, rat	

Background Information

MPHOSPH9, also known as MPP9, is a protein phosphorylated during mitosis. MPHOSPH9 negatively regulates cilia formation by recruiting the CP110-CEP97 complex at the distal end of the mother centriole in ciliary cells. MPHOSPH9 is a centrosome component that localizes to the distal and proximal ends of two centrioles (PMID: 30375385).

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:

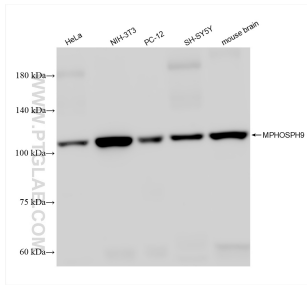
T: 4006900926

E: Proteintech-CN@ptglab.com

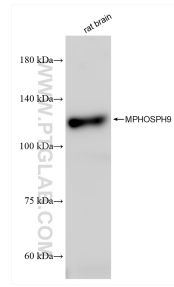
W: ptgcn.com

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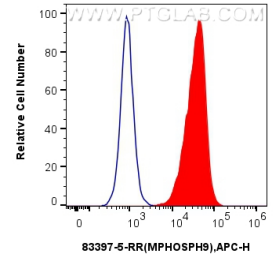
Selected Validation Data



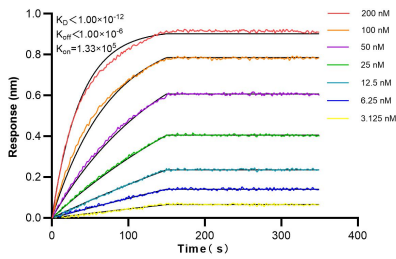
Various lysates were subjected to SDS PAGE followed by western blot with 83397-5-RR (MPHOSPH9 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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1×10^6 A431 cells were intracellularly stained with 0.25 μ g MPHOSPH9 Recombinant antibody (83397-5-RR, Clone:240182D6) and APC-Conjugated AffiniPure 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).



Biolayer interferometry (BLI) kinetic assays of 83397-5-RR against Human MPHOSPH9 were performed. The affinity constant is below 1 pM.