

For Research Use Only

RAB8A Recombinant monoclonal antibody, PBS Only

Catalog Number: 86540-5-PBS



Basic Information

Catalog Number: 86540-5-PBS	GenBank Accession Number: NM_005370	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4218	CloneNo.: 251429D1
Source: Rabbit	UNIPROT ID: P61006	
Isotype: IgG	Full Name: RAB8A, member RAS oncogene family	
Immunogen Catalog Number: AG30567	Calculated MW: 24 kDa	
	Observed MW: 24 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

The Rab8 GTPase is a member of the Ras superfamily that functions in protein transport and membrane restructuring. RAB8 has two isoforms, RAB8A and RAB8B, that share 40% amino acid identity in the C-terminal variable region. RAB8 activity is regulated by specific guanine nucleotide exchange factors (GEFs), that mediate GTP loading, and GTPase activating proteins (GAPs) that convert them into the inactive GDP-bound form. RAB8 participates in recycling of the α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptors to the dendritic spine surface as well as in the intracellular transport of the metabotropic glutamate receptor type 1 in neuronal cells. Rab8 is activated at the base of the cilium by its guanine nucleotide exchanger Rabin8. The antibody 11792-1-AP can detect both RAB8A and RAB8B.

Storage

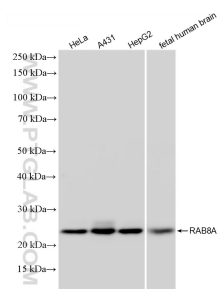
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

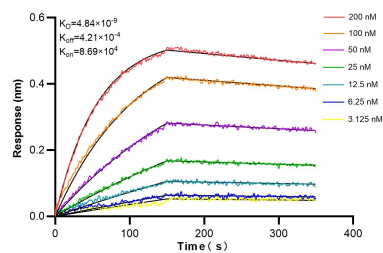
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86540-5-RR (RAB8A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86540-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86540-5-RR against Human RAB8A were performed. The affinity constant is 4.84 nM.