

For Research Use Only

RAB3A Recombinant monoclonal antibody

Catalog Number: 87642-1-RR



Basic Information

Catalog Number: 87642-1-RR	GenBank Accession Number: NM_002866.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5864	CloneNo.: 253076A4
Isotype: IgG	UNIPROT ID: P20336	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: EG5438	Full Name: RAB3A, member RAS oncogene family	
	Calculated MW: 25 kDa	
	Observed MW: 25-27 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse cerebellum tissue, rat cerebellum tissue, mouse brain tissue, rat brain tissue, fetal human brain tissue
Species Specificity: human, mouse, rat	

Background Information

Rab3A is a small G-protein of the Rab family, that is implicated in vesicle fusion and regulated secretion, particularly in neurotransmitter release. Rab3 subfamily small G proteins (Rab3A, Rab3B, Rab3C, and Rab3D) control the regulated exocytosis in neuronal/secretory cells. Rab3A is the most abundant Rab GTPase in brain, where it is associated with synaptic vesicles. Rab3A is believed to modulate secretion efficiency by stimulating vesicle recruitment to sites of exocytosis and/ or by recruiting regulatory molecules to the docking/ fusion machinery.

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

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

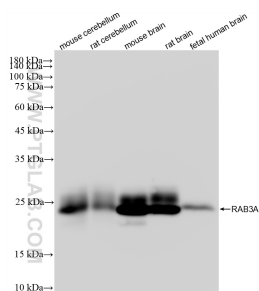
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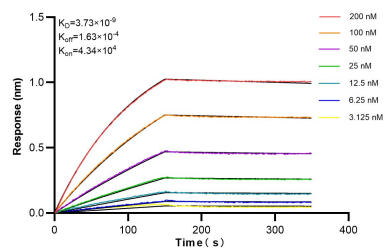
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87642-1-RR (RAB3A antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87642-1-RR against Human RAB3A were performed. The affinity constant is 3.73 nM.