

For Research Use Only

RAB10 Recombinant monoclonal antibody

Catalog Number: 86787-1-RR



Basic Information

Catalog Number: 86787-1-RR	GenBank Accession Number: BC000896	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 10890	CloneNo.: 251744G12
Isotype: IgG	UNIPROT ID: P61026	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG25830	Full Name: RAB10, member RAS oncogene family	
	Calculated MW: 200 aa, 23 kDa	
	Observed MW: 20-23 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, MCF-7 cells, HUVEC cells, C2C12 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue
	IF/ICC : MCF-7 cells,

Background Information

RAB10 is a member of the RAB family of small GTPases, which are key regulators of vesicular trafficking. RAB proteins are cyclically controlled, requiring a GDP-GTP exchange that is facilitated by RAB guanine nucleotide exchange factors. Rab10 plays essential functional roles in development: mice are embryonic lethal when both alleles are deleted. In addition, RAB10 plays a role in maintenance and regulation of endoplasmic reticulum (ER) morphology. RAB10 function has also been linked to neuronal morphology and polarization, playing a critical role in axonal development and dendrite arborization.

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:

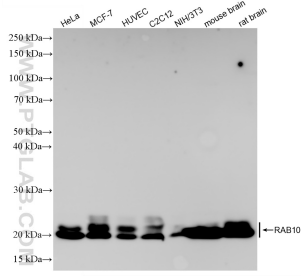
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E: Proteintech-CN@ptglab.com

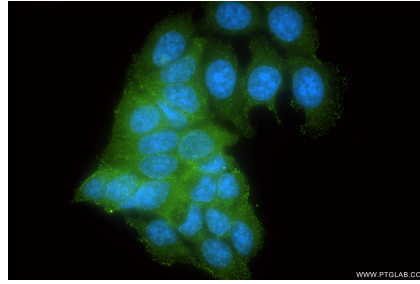
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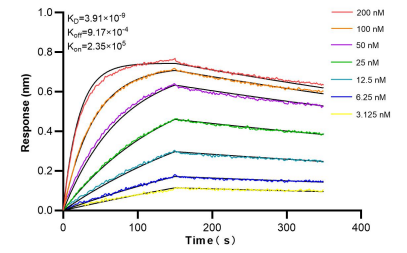
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86787-1-RR (RAB10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using RAB10 antibody (86787-1-RR, Clone: 251744G12) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bilayer interferometry (BLI) kinetic assays of 86787-1-RR against Human RAB10 were performed. The affinity constant is 3.91 nM.