

For Research Use Only

RAB5B Recombinant monoclonal antibody

Catalog Number: 86951-1-RR



Basic Information

Catalog Number: 86951-1-RR	GenBank Accession Number: NM_001252036.2	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5869	CloneNo.: 252038B1
Source: Rabbit	UNIPROT ID: P61020-1	Recommended Dilutions: WB: 1:1000-1:8000
Isotype: IgG	Full Name: RAB5B, member RAS oncogene family	
Immunogen Catalog Number: EG5609	Calculated MW: 24 kDa	
	Observed MW: 24-27 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293T cells, HeLa cells, NIH/3T3 cells, rat lung tissue, Recombinant protein, mouse lung tissue, HEK-293 cells, Jurkat cells
Species Specificity: human, mouse, rat	

Background Information

RAB5B (Ras-related protein Rab-5B) belongs to the Rab family. Rab5 is specifically localized to the early compartment and regulates endocytosis (PMID:1516130, PMID:9087439). There are three isoforms of Rab5 namely, Rab5a, Rab5b, and Rab5c present in EE of mammalian cells (PMID:7789520). Recently, we have shown that Rab5a regulates fluid-phase endocytosis whereas receptor-mediated endocytosis is regulated by Rab5b in Leishmania (PMID:27226564).

Storage

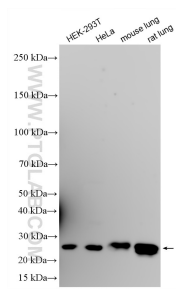
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

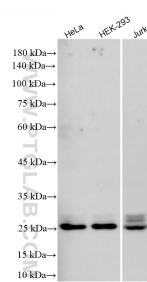
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

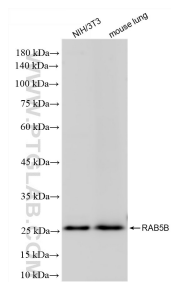
Selected Validation Data



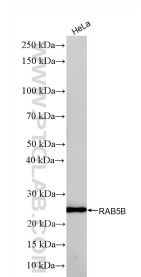
Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



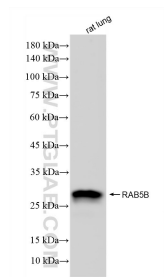
Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



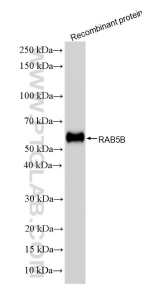
Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



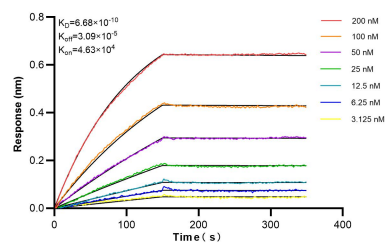
Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86951-1-RR against Human RAB5B were performed. The affinity constant is 0.668 nM.