

RAB5B Recombinant monoclonal antibody

Catalog Number: 86951-1-RR

Basic Information

Catalog Number:

86951-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5609

GenBank Accession Number:

NM_001252036.2

GeneID (NCBI):

5869

UNIPROT ID:

P61020-1

Full Name:

RAB5B, member RAS oncogene family

Calculated MW:

24 kDa

Observed MW:

24-27 kDa

Purification Method:

Protein A purification

CloneNo.:

252038B1

Recommended Dilutions:

WB: 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293T cells, HeLa cells, NIH/3T3 cells, rat lung tissue, Recombinant protein, mouse lung tissue, HEK-293 cells, Jurkat cells

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:

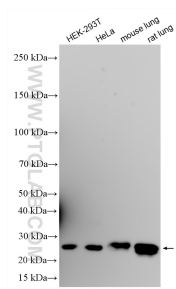
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

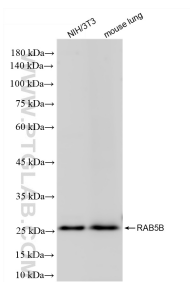
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

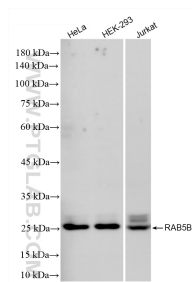
Selected Validation Data



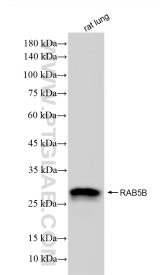
Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



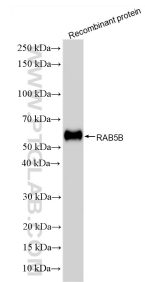
Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



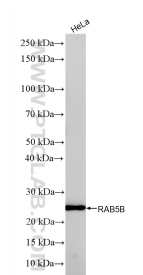
Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



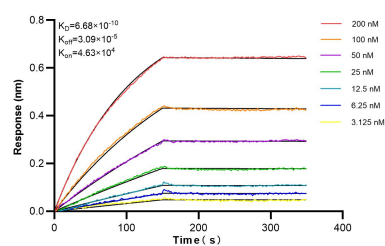
Various lysates were subjected to SDS PAGE followed by western blot with 86951-1-RR (RAB5B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 1:10000 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.