

For Research Use Only

RAB5B Polyclonal antibody

Catalog Number: 27403-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

27403-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26584

GenBank Accession Number:

BC032740

GeneID (NCBI):

5869

UNIPROT ID:

P61020

Full Name:

RAB5B, member RAS oncogene family

Calculated MW:

215 aa, 24 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse lung tissue, Jurkat cells, HeLa cells, HepG2 cells, NIH/3T3 cells, HEK-293 cells

IHC : human stomach tissue, human colon tissue

IF/ICC : NIH/3T3 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Mariko Kinoshita-Kawada	30674481	Development	WB
Hairui Fan	37882757	Mol Hum Reprod	IHC, WB, FC
Seongok Kim	37549300	Proc Natl Acad Sci U S A	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

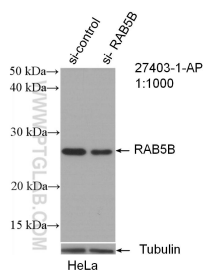
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

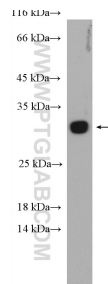
E: proteintech@ptglab.com
W: ptglab.com

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

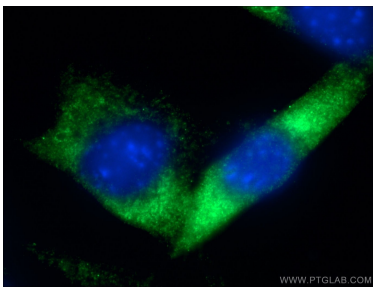
Selected Validation Data



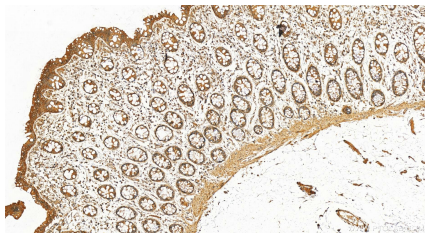
WB result of RAB5B antibody (27403-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RAB5B transfected HeLa cells.



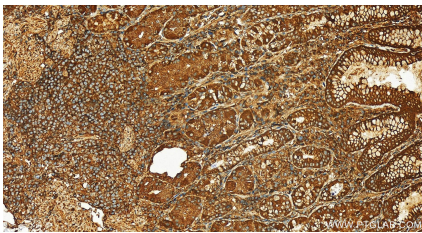
mouse lung tissue were subjected to SDS PAGE followed by western blot with 27403-1-AP (RAB5B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using 27403-1-AP (RAB5B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 27403-1-AP (RAB5B antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 27403-1-AP (RAB5B antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).