

For Research Use Only

RAB4A Polyclonal antibody

Catalog Number: 10347-1-AP **5 Publications**



Basic Information

Catalog Number: 10347-1-AP	GenBank Accession Number: BC002438	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5867	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: RAB4A, member RAS oncogene family	
Isotype: IgG	Calculated MW: 24 kDa	
Immunogen Catalog Number: AG0357	Observed MW: 24-28 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

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: HEK-293T cells, HeLa cells, HepG2 cells, PC-12 cells, Neuro-2a cells, mouse brain tissue, rat brain tissue

IHC: human heart tissue,

IF: NIH/3T3 cells,

Background Information

The human RAB genes share structural and biochemical properties with the Ras gene superfamily, and RAB4 (synonym: RAB4A) is a small GTPase belonging to this Ras superfamily. Accumulating data suggests an important role for RAB proteins either in endocytosis or in biosynthetic protein transport. The transport of newly synthesized proteins from endoplasmic reticulum to the Golgi complex and to secretory vesicles involves the movement of carrier vesicles, a process that appears to involve RAB protein function. RAB4 may also function as regulator along the receptor recycling pathway.

Notable Publications

Author	Pubmed ID	Journal	Application
Kobina Essandoh	30884248	FASEB J	WB
Tian-Wei Chen	31175290	Nat Commun	
Michael G Connor	29463656	MBio	IF

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

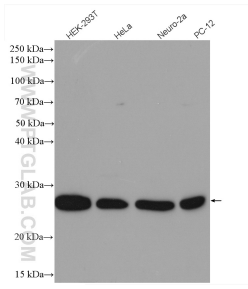
For technical support and original validation data for this product please contact:

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

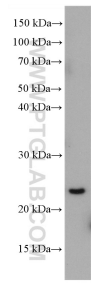
E: proteintech@ptglab.com
W: ptglab.com

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

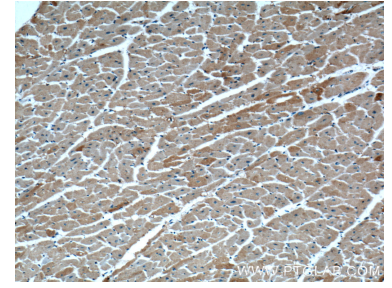
Selected Validation Data



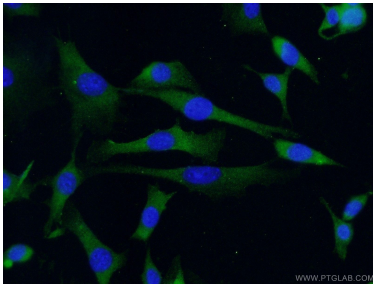
Various lysates were subjected to SDS PAGE followed by western blot with 10347-1-AP (RAB4A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



HepG2 cells were subjected to SDS PAGE followed by western blot with 10347-1-AP (RAB4A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 10347-1-AP (RAB4A Antibody) at dilution of 1:200 (under 10x lens).



Immunofluorescent analysis of (-20 Ethanol) fixed NIH/3T3 cells using 10347-1-AP (RAB4A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).