

For Research Use Only

# RAB11A Monoclonal antibody

Catalog Number: 67902-1-Ig **3 Publications**



## Basic Information

<b>Catalog Number:</b> 67902-1-Ig	<b>GenBank Accession Number:</b> BC013348	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8766	<b>CloneNo.:</b> 4A4C9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P62491	<b>Recommended Dilutions:</b> WB 1:5000-1:20000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> RAB11A, member RAS oncogene family	
<b>Immunogen Catalog Number:</b> AG8879	<b>Calculated MW:</b> 216 aa, 24 kDa	
	<b>Observed MW:</b> 24 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> mouse brain tissue, A431 cells, A549 cells, HeLa cells, pig brain tissue, rat brain tissue, rat cerebellum tissue, HepG2 cells, K-562 cells, rabbit brain tissue
<b>Species Specificity:</b> human, mouse, rat, pig, rabbit	<b>IF/ICC :</b> A549 cells,
<b>Cited Species:</b> human	<b>FC (Intra) :</b> HeLa cells,

## Background Information

Rab11a, Rab11b and Rab25 comprise a subfamily of Rab proteins that belong to the Ras-related small GTPase protein superfamily (PMID: 8074219, PMID: 10708602). Rab11 proteins are involved in endocytosis and plasma membrane recycling in non-polarized and polarized cells ( PMID: 8638719, PMID: 8922376). Rab11a and Rab11b are ubiquitously expressed in most tissues, while Rab25 is only expressed in epithelial cells. Rab11a is known to regulate the recycling of internalized cell surface proteins and receptors from the early endosome through the trans-Golgi network (PMID: 11121436, PMID: 9600939).

## Notable Publications

Author	Pubmed ID	Journal	Application
Janine Tutas	39815080	Nat Metab	IHC
Caifeng Zhang	39627775	Cell Commun Signal	WB,IF
Hongli Zhang	39388352	Cell Rep	IF

## Storage

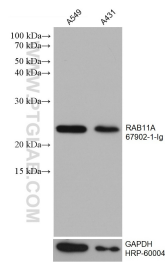
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

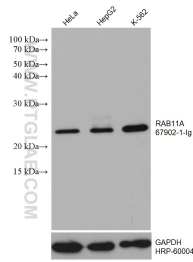
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

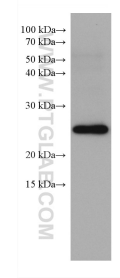
## Selected Validation Data



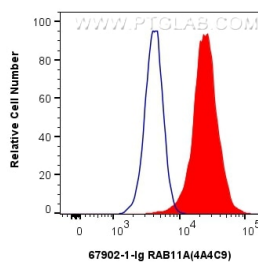
Various lysates were subjected to SDS PAGE followed by western blot with 67902-1-Ig (RAB11A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



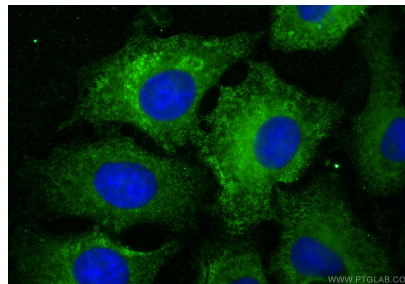
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mouse brain tissue were subjected to SDS PAGE followed by western blot with 67902-1-Ig (RAB11A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug RAB11A Monoclonal antibody (67902-1-Ig, Clone:4A4C9) and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using RAB11A antibody (67902-1-Ig, Clone: 4A4C9) at dilution of 1:800 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).