

For Research Use Only

# RAB1B Monoclonal antibody

Catalog Number: 67837-1-Ig **Featured Product**



## Basic Information

|                                                                |                                                        |                                                                                               |
|----------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>67837-1-Ig                           | <b>GenBank Accession Number:</b><br>BC071169           | <b>Purification Method:</b><br>Protein A purification                                         |
| <b>Size:</b><br>150ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>81876                         | <b>CloneNo.:</b><br>3C2G6                                                                     |
| <b>Source:</b><br>Mouse                                        | <b>UNIPROT ID:</b><br>Q9H0U4                           | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:250-1:1000<br>IF/ICC 1:400-1:1600 |
| <b>Isotype:</b><br>IgG1                                        | <b>Full Name:</b><br>RAB1B, member RAS oncogene family |                                                                                               |
| <b>Immunogen Catalog Number:</b><br>AG12069                    | <b>Calculated MW:</b><br>201 aa, 22 kDa                |                                                                                               |
|                                                                | <b>Observed MW:</b><br>22 kDa                          |                                                                                               |

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, rat

**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 :** A549 cells, NIH/3T3 cells, HeLa cells, U2OS cells, LNCaP cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells

**IHC :** human lung cancer tissue, human liver cancer tissue, human ovary tumor tissue, human pancreas cancer tissue, human stomach cancer tissue, rat brain tissue, rat heart tissue

**IF/ICC :** NIH/3T3 cells, MCF-7 cells

## 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

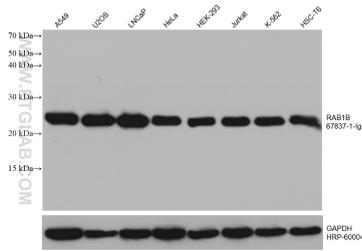
For technical support and original validation data for this product please contact:

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

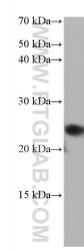
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

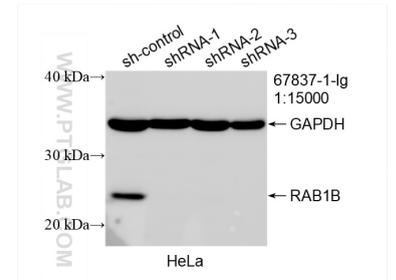
## Selected Validation Data



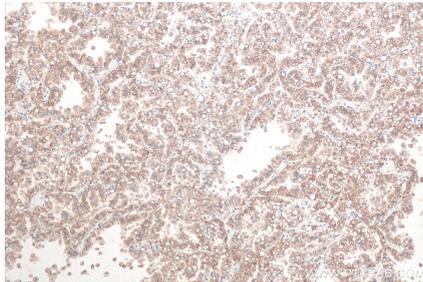
Various lysates were subjected to SDS PAGE followed by western blot with 67837-1-Ig (RAB1B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



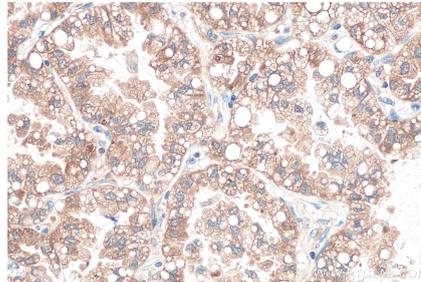
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 67837-1-Ig (RAB1B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



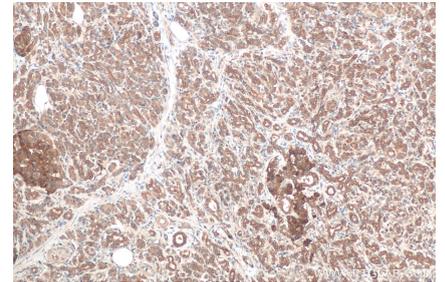
WB result of RAB1B antibody (67837-1-Ig; 1:15000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RAB1B transfected HeLa cells.



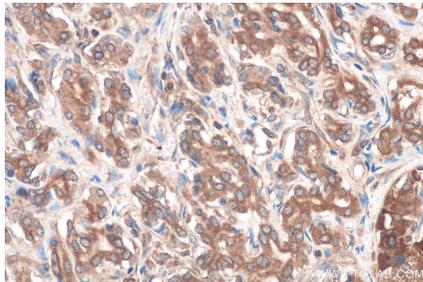
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



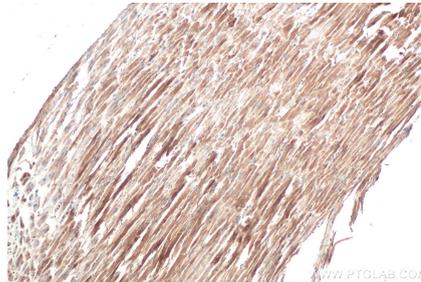
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



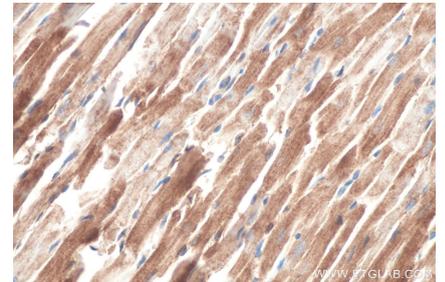
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



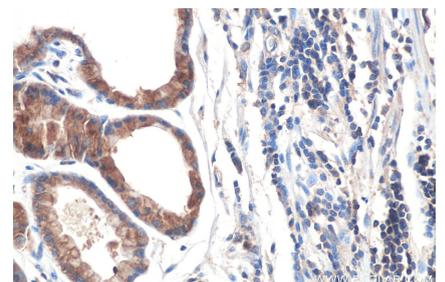
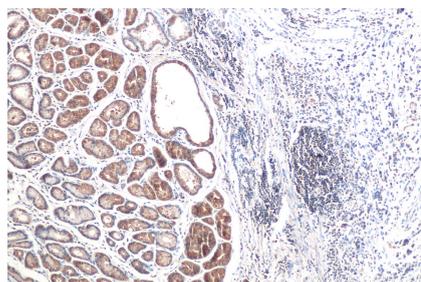
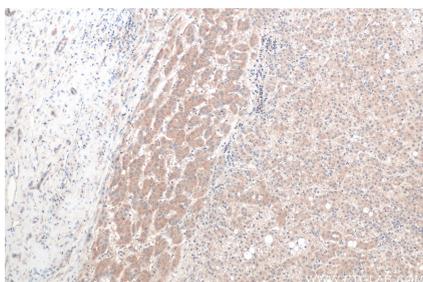
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



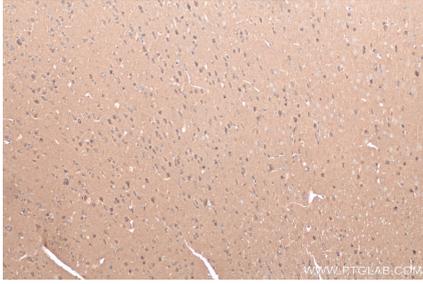
Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



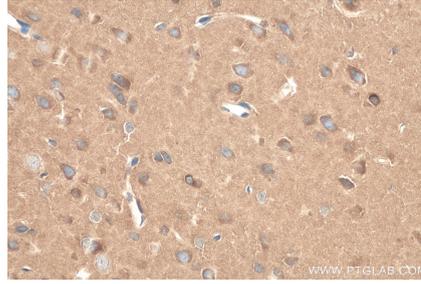
Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



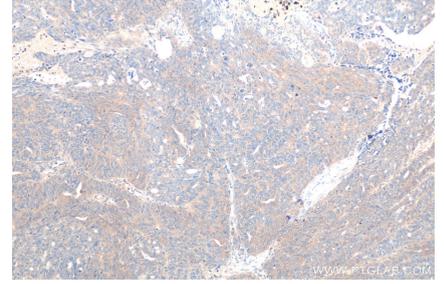
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



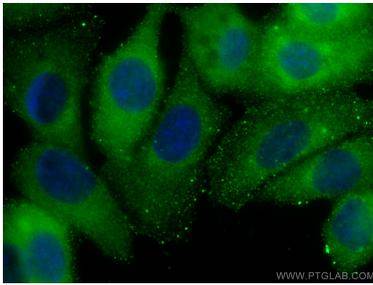
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

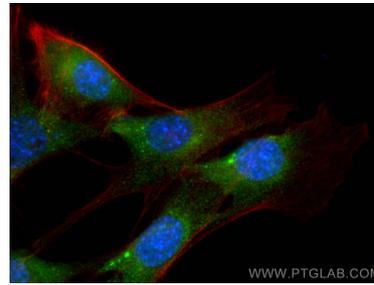


Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using RAB1B antibody (67837-1-Ig, Clone: 3C2G6 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using RAB1B antibody (67837-1-Ig, Clone: 3C2G6 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).

Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 67837-1-Ig (RAB1B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).