

For Research Use Only

# RAB37 Polyclonal antibody

Catalog Number: 13051-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 13051-1-AP	<b>GenBank Accession Number:</b> BC016615	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 326624	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:1000-1:6000
<b>Source:</b> Rabbit	<b>Full Name:</b> RAB37, member RAS oncogene family	<b>for WB</b> IHC 1:400-1:1000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 223 aa, 25 kDa	
<b>Immunogen Catalog Number:</b> AG3717	<b>Observed MW:</b> 25 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, mouse brain tissue, rat brain tissue
<b>Cited Applications:</b> IF, IHC, IP, WB	<b>IP :</b> mouse brain tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse spleen tissue,
<b>Cited Species:</b> human, mouse, canine	

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

## Background Information

RAB37, as a small GTPase, plays important roles in several cellular processes through intracellular membrane traffic. RAB37 can regulate insulin secretion in  $\beta$ -cells 7 and TNF- $\alpha$  secretion from activated macrophages. In allergic responses, RAB37 regulated mast cell degranulation. RAB37 has been identified to be a tumor suppressor and it regulated exocytosis of several proteins including TIMP metalloproteinase inhibitor 1 (TIMP1), secreted frizzled-related protein-1 (SFRP1) 12, thrombospondin-1 (TSP1), and soluble ST2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shan-Ying Wu	36109708	Autophagy	WB,IHC,IF,IP
Takahide Matsui	35649370	Cell Rep	WB
Yue Sheng	29229996	Cell Death Differ	WB

## Storage

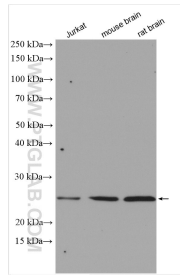
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

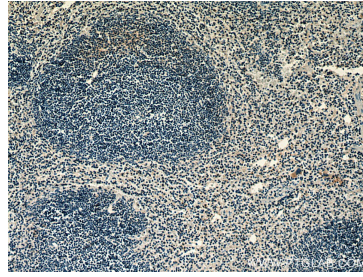
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

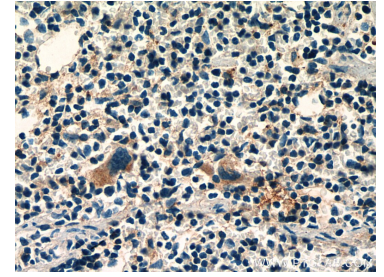
## Selected Validation Data



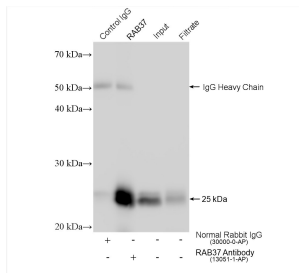
Various lysates were subjected to SDS PAGE followed by western blot with 13051-1-AP (RAB37 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 13051-1-AP (RAB37 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 13051-1-AP (RAB37 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-RAB37(IP:13051-1-AP, 4ug; Detection:13051-1-AP 1:3000) with mouse brain tissue lysate 1280 ug.