

For Research Use Only

# RAB37 Polyclonal antibody

Catalog Number: 13051-1-AP

8 Publications



## Basic Information

### Catalog Number:

13051-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3717

### GenBank Accession Number:

BC016615

### GeneID (NCBI):

326624

### UNIPROT ID:

Q96AX2

### Full Name:

RAB37, member RAS oncogene family

### Calculated MW:

223 aa, 25 kDa

### Observed MW:

25 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:400-1:1000

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

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**

### Positive Controls:

WB : Jurkat cells, mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : mouse spleen tissue,

## 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

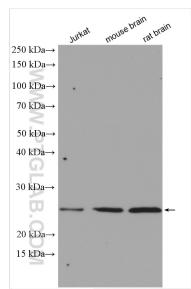
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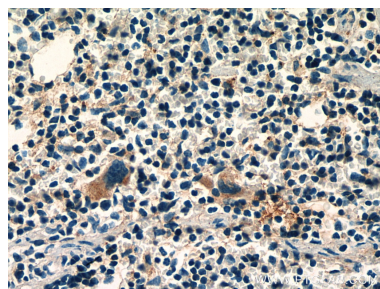
Selected Validation Data



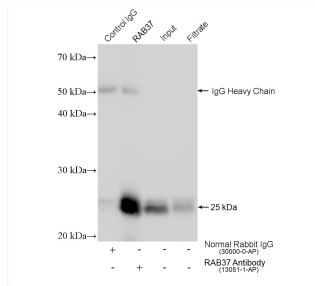
Various lysates were subjected to SDS PAGE followed by western blot with 13051-1-AP (RAB37 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.