

For Research Use Only

# RAB37 Recombinant antibody

Catalog Number:83740-4-RR



## Basic Information

<b>Catalog Number:</b> 83740-4-RR	<b>GenBank Accession Number:</b> BC016615	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 326624	<b>CloneNo.:</b> 240838D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96AX2	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> RAB37, member RAS oncogene family	
<b>Immunogen Catalog Number:</b> AG3717	<b>Calculated MW:</b> 223 aa, 25 kDa	
	<b>Observed MW:</b> 25 kDa	

## Applications

**Tested Applications:**  
WB, IP, ELISA

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

**Positive Controls:**

**WB :** Jurkat cells, A549 cells, mouse brain tissues, rat brain tissues

**IP :** mouse brain 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.

## 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

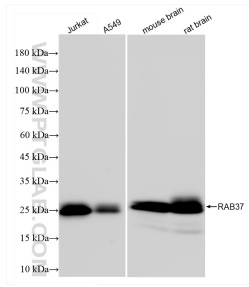
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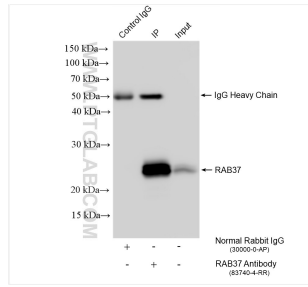
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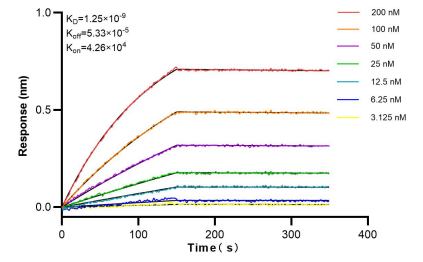
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83740-4-RR (RAB37 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-RAB37 (IP:83740-4-RR, 4ug; Detection:83740-4-RR 1:2000) with mouse brain tissue lysate 1840 ug.



Bi-layer interferometry (BLI) kinetic assays of 83740-4-RR against Human RAB37 were performed. The affinity constant is 1.25 nM.