

For Research Use Only

RAB37 Polyclonal antibody

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



Basic Information

Catalog Number: 13051-1-AP	GenBank Accession Number: BC016615	Purification Method: Antigen affinity purification
Size: 650 µg/ml	GeneID (NCBI): 326624	Recommended Dilutions: WB 1:2000-1:10000
Source: Rabbit	UNIPROT ID: Q96AX2	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: RAB37, member RAS oncogene family	IHC 1:400-1:1000
Immunogen Catalog Number: AG3717	Calculated MW: 223 aa, 25 kDa	
	Observed MW: 25 kDa	

Applications

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

Background Information

RAB37, as a small GTPase, plays important roles in several cellular processes through intracellular membrane traffic. RAB37 can regulate insulin secretion in β -cells 7 and TNF- α 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

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

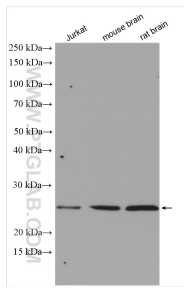
T: 4006900926

E: Proteintech-CN@ptglab.com

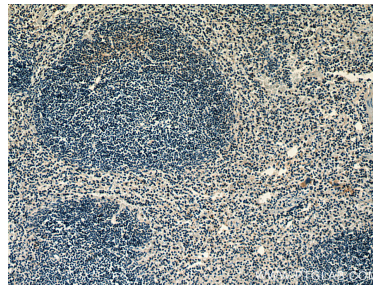
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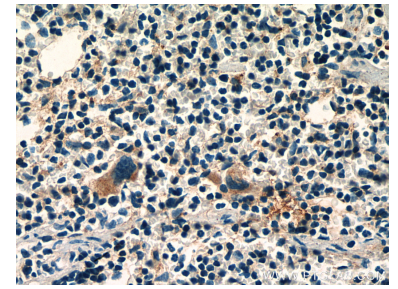
Selected Validation Data



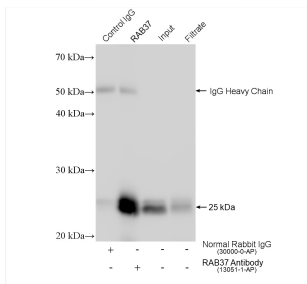
Various lysates were subjected to SDS PAGE followed by western blot with 13051-1-AP (RAB37 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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, 4 μ g; Detection:13051-1-AP 1:3000) with mouse brain tissue lysate 1280 μ g.