

For Research Use Only

# RAB27A Polyclonal antibody

Catalog Number: 17817-1-AP

Featured Product

52 Publications



## Basic Information

### Catalog Number:

17817-1-AP

### Size:

350 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12136

### GenBank Accession Number:

BC107680

### GeneID (NCBI):

5873

### UNIPROT ID:

P51159

### Full Name:

RAB27A, member RAS oncogene family

### Calculated MW:

221 aa, 25 kDa

### Observed MW:

25-27 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human

### Cited Species:

human, Chicken, rat, pig, 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: HL-60 cells, Apoptosed HeLa cells, human liver tissue, K562, K-562 cells, L02 cells, Jurkat cells

IP: K-562 cells,

IHC: human malignant melanoma tissue, human stomach tissue

## Background Information

Rab27A is a member of a large family of Ras-related small GTPases. The protein is membrane-bound and may be involved in protein transport and small GTPase mediated signal transduction. Recent studies suggest that Rab27A is associated with melanosomes in pigmented cells and regulates melanosome transport via its interaction with actin-based cellular motors such as myosin Va and myosin VIIa. RAB27A is also required for regulated secretion in cytotoxic T lymphocytes. Rab27A is implicated in several diseases, including Griscelli syndrome, choroideremia, and the Hermansky-Pudlak syndrome mouse model, gunmetal.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jian Guo	32989094	J Immunol	WB
Xueqiang Peng	32949647	Biochim Biophys Acta Mol Cell Res	WB
Yuxuan Fu	28910400	PLoS Pathog	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:

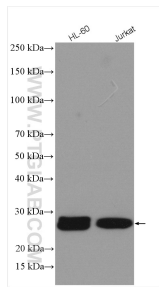
T: 4006900926

E: Proteintech-CN@ptglab.com

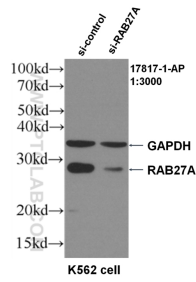
W: ptgcn.com

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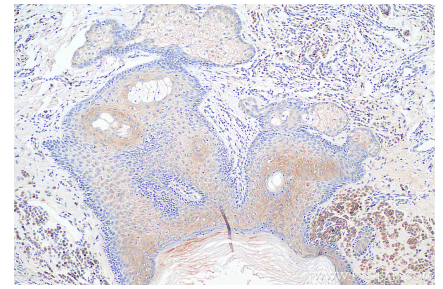
## Selected Validation Data



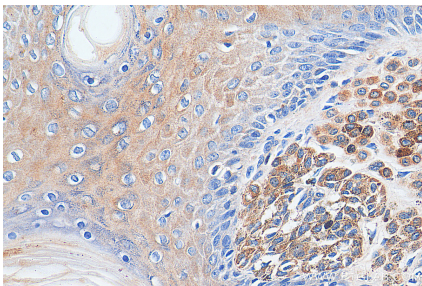
Various lysates were subjected to SDS PAGE followed by western blot with 17817-1-AP (RAB27A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



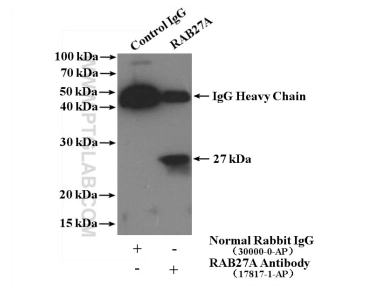
WB result of RAB27A antibody (17817-1-AP, 1:3000) with si-Control and si-RAB7B transfected K562 cells.



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 17817-1-AP (RAB27A antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 17817-1-AP (RAB27A antibody) at dilution of 1:200 (under 40x lens).



IP result of anti-RAB27A (IP:17817-1-AP, 4ug; Detection:17817-1-AP 1:1000) with K-562 cells lysate 2760 ug.