

For Research Use Only

# RAB27B Polyclonal antibody

Catalog Number: 13412-1-AP

Featured Product

18 Publications



## Basic Information

### Catalog Number:

13412-1-AP

### Size:

150UL, Concentration: 267 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4064

### GenBank Accession Number:

BC027474

### GeneID (NCBI):

5874

### Full Name:

RAB27B, member RAS oncogene family

### Calculated MW:

218 aa, 25 kDa

### Observed MW:

25-30 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF 1:50-1:500

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

dog, human, mouse, rat

**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:** rat spleen tissue, A375 cells, DU 145 cells, MCF-7 cells, PC-3 cells

**IHC:** human pancreas cancer tissue, human breast cancer tissue, human colon cancer tissue, human liver cancer tissue, human prostate cancer tissue, human testis tissue

**IF:** HeLa cells,

## Background Information

The Rab27 GTPase subfamily consists of two closely related homologs, Rab27a and Rab27b. Northern blot analysis revealed that Rab27b is expressed significantly only in testis, in which the predominant transcript was 1.4 kb in size. An 8-kb mRNA of unknown origin was detected in many tissues. Rab27b is associated with tubulovesicle membranes in the parietal cell and Rab27b may play a role in stimulation-associated membrane recruitment and gastric acid secretion. Rab27b is recently reported as a marker for breast cancer progression. It regulates invasive growth and metastasis in ER-positive breast cancer cell lines, and increased expression is associated with poor prognosis in humans.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hiroshi Gomi	28914590	J Histochem Cytochem	WB,IHC
Mirjam C Boelens	25417103	Cell	WB, IHC
Lin Zhang	26479035	Nature	IHC

## 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

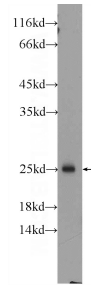
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

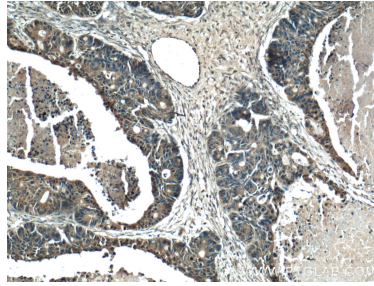
E: proteintech@ptglab.com  
W: ptglab.com

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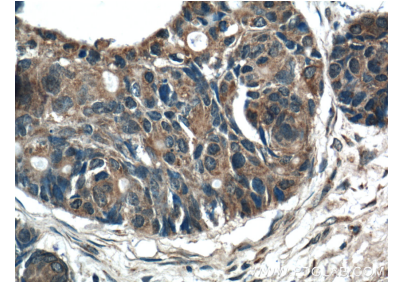
## Selected Validation Data



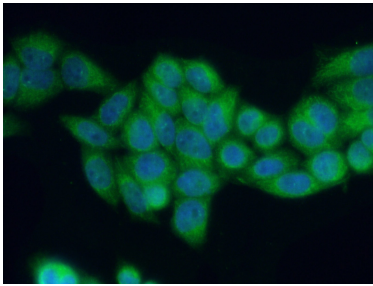
rat spleen tissue were subjected to SDS PAGE followed by western blot with 13412-1-AP (RAB27B Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 13412-1-AP (RAB27B Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 13412-1-AP (RAB27B Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 13412-1-AP (RAB27B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).