

For Research Use Only

# RAB31-specific Polyclonal antibody



Catalog Number: 16182-1-AP

Featured Product

4 Publications

## Basic Information

**Catalog Number:**

16182-1-AP

**Size:**

150UL, Concentration: 173 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_006868

**GeneID (NCBI):**

11031

**Full Name:**

RAB31, member RAS oncogene family

**Calculated MW:**

22 kDa

**Observed MW:**

22 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

ColP, IF, IHC, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**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: human brain tissue,

IHC: human heart tissue,

## Background Information

RAB 31, also named as RAB22b, belongs to small GTP-binding proteins of the RAB family. Rab31 localizes in the trans-Golgi network (TGN) and endosomes. It is required for transport of mannose 6-phosphate receptors (MPRs) from the trans-Golgi network (TGN) to endosomes. This antibody can bind RAB31 specifically, and not react RAB22a.

## Notable Publications

Author	Pubmed ID	Journal	Application
Denghui Wei	32958903	Cell Res	WB,IF
Chao-Tao Tang	30534536	Front Oncol	WB,IHC,ColP
Li Yang	32707053	Life Sci	WB,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

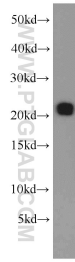
For technical support and original validation data for this product please contact:

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

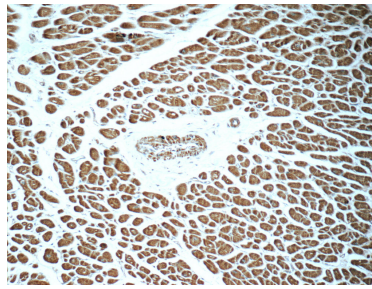
E: proteintech@ptglab.com  
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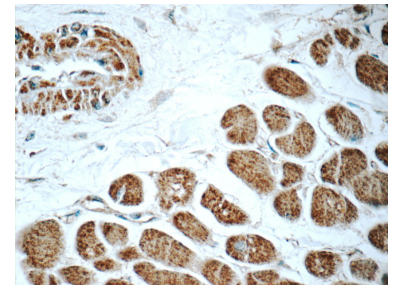
## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 16182-1-AP (RAB31-specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 16182-1-AP (RAB31-specific Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 16182-1-AP (RAB31-specific Antibody) at dilution of 1:50 (under 40x lens).