

For Research Use Only

# RAB24 Polyclonal antibody

Catalog Number: 11445-1-AP

2 Publications



## Basic Information

### Catalog Number:

11445-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1995

### GenBank Accession Number:

BC021263

### GeneID (NCBI):

53917

### UNIPROT ID:

Q969Q5

### Full Name:

RAB24, member RAS oncogene family

### Calculated MW:

203 aa, 23 kDa

### Observed MW:

23 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total

protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, 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** : HEK-293 cells, human skeletal muscle tissue, fetal human brain tissue, mouse brain tissue, rat brain tissue

**IP** : mouse brain tissue,

**IHC** : human gliomas tissue,

## Background Information

RAB24 is a small GTPase of the Rab subfamily of Ras-related proteins that regulate intracellular protein trafficking. Unlike other Rab family members, RAB24 does not interact with GDP dissociation inhibitors (GDIs), including ARHGDIA and ARHGDIB. It interacts with ZFYVE20. Rab24 modulates several mitotic events, including chromosome segregation and cytokinesis, perhaps through the interaction with microtubules.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jianfa Yu	34262410	Dose Response	WB
Caryline Agler	24516392	PLoS Genet	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

\*\*\* 20ul sizes contain 0.1% BSA

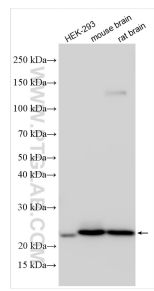
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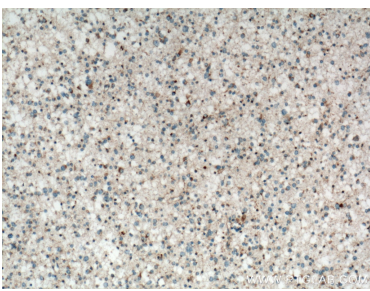
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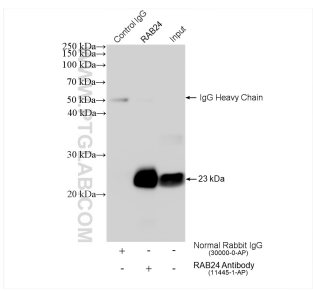
Selected Validation Data



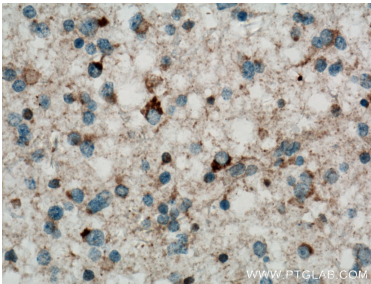
Various lysates were subjected to SDS PAGE followed by western blot with 11445-1-AP (RAB24 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11445-1-AP (RAB24 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-RAB24 (IP:11445-1-AP, 4ug; Detection:11445-1-AP 1:10000) with mouse brain tissue lysate 1280 ug.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11445-1-AP (RAB24 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).