

For Research Use Only

# ARHGAP24 Polyclonal antibody

Catalog Number: 18834-1-AP

5 Publications



## Basic Information

### Catalog Number:

18834-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC098580

### GeneID (NCBI):

83478

### UNIPROT ID:

Q8N264

### Full Name:

Rho GTPase activating protein 24

### Calculated MW:

84 kDa

### Observed MW:

73 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:20-1:200

## Applications

### Tested Applications:

IHC, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human, mouse, rat, Canine

### Cited Species:

human, mouse

### Positive Controls:

IHC : human kidney tissue,

**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

ARHGAP24, also named as FILGAP, is involved in cell polarity, cell morphology and cytoskeletal organization. ARHGAP24 acts as a GTPase activator for the Rac-type GTPase by converting it to an inactive GDP-bound state. ARHGAP24 controls actin remodeling by inactivating Rac downstream of Rho leading to suppress leading edge protrusion and promotes cell retraction to achieve cellular polarity. ARHGAP24 can suppress the activity of RAC1 and CDC42 in vitro. Its overexpression induces cell rounding with partial or complete disruption of actin stress fibers and formation of membrane ruffles, lamellipodia, and filopodia. Isoform 2 is a vascular cell-specific GAP involved in modulation of angiogenesis. The antibody may recognize all the isoforms of ARHGAP24 except isoform 5.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xin Jin	34785774	Oncogene	WB,IHC
Darren L Roberts	25929336	Oncotarget	IHC
Li Wang	32391922	Clin Exp Pharmacol Physiol	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

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

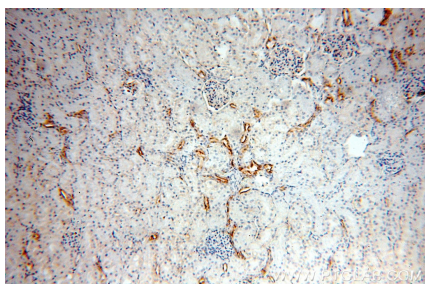
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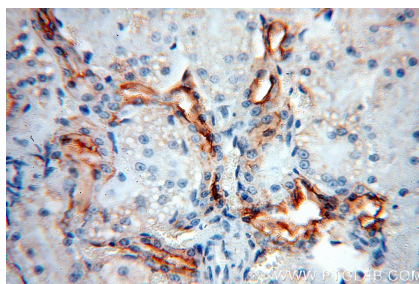
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney using 18834-1-AP (ARHGAP24 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 18834-1-AP (ARHGAP24 antibody) at dilution of 1:100 (under 40x lens).