

For Research Use Only

# ARHGAP10 Polyclonal antibody

Catalog Number: 55139-1-AP

Featured Product

11 Publications



## Basic Information

### Catalog Number:

55139-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_024605

### GeneID (NCBI):

79658

### UNIPROT ID:

A1A4S6

### Full Name:

Rho GTPase activating protein 10

### Calculated MW:

89 kDa

### Observed MW:

89 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

**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** : mouse heart tissue, HEK-293 cells, human heart tissue, mouse kidney tissue

**IHC** : human heart tissue, human skeletal muscle tissue

## Background Information

ARHGAP10, also named as GRAF2, is GTPase activator for the small GTPases RhoA and Cdc42 by converting them to an inactive GDP-bound state. It is essential for PTKB2 regulation of cytoskeletal organization via Rho family GTPases. ARHGAP10 inhibits PAK2 proteolytic fragment PAK-2p34 kinase activity and changes its localization from the nucleus to the perinuclear region. It stabilizes PAK-2p34 thereby increasing stimulation of cell death. The antibody is specific to ARHGAP10.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bowen Li	29246308	Mol Ther Nucleic Acids	WB
Zishu Wang	31789419	Mol Med Rep	WB, IHC
Justine Maurin	34869381	Front Cell Dev Biol	WB

## Storage

### Storage:

Store at -20°C.

### 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

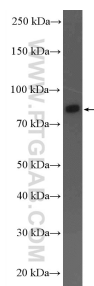
For technical support and original validation data for this product please contact:

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

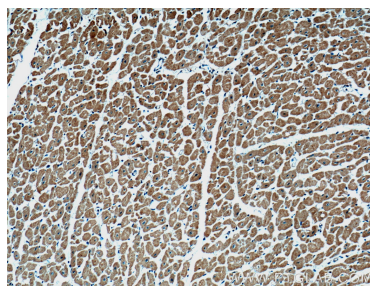
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

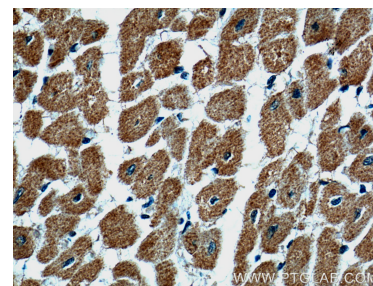
## Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 55139-1-AP (ARHGAP10 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 55139-1-AP (ARHGAP10 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 55139-1-AP (ARHGAP10 Antibody) at dilution of 1:200 (under 40x lens).