

For Research Use Only

ARHGAP10 Polyclonal antibody

Catalog Number: 55139-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 55139-1-AP	GenBank Accession Number: NM_024605	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79658	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: Rho GTPase activating protein 10	
Isotype: IgG	Calculated MW: 89 kDa	
	Observed MW: 89 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IHC, WB

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

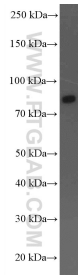
For technical support and original validation data for this product please contact:

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

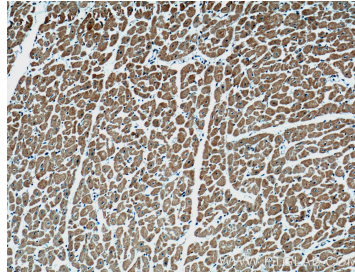
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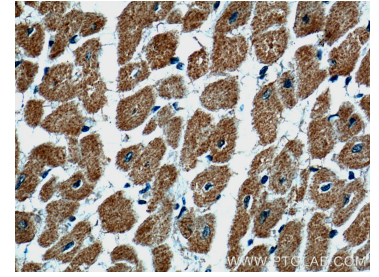
Selected Validation Data



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).