

For Research Use Only

ARHGAP24 Polyclonal antibody

Catalog Number: 18834-1-AP **5 Publications**



Basic Information

Catalog Number: 18834-1-AP	GenBank Accession Number: BC098580	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 83478	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q8N264	
Isotype: IgG	Full Name: Rho GTPase activating protein 24	
	Calculated MW: 84 kDa	
	Observed MW: 73 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human kidney tissue,
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse, rat, Canine	
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	

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

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

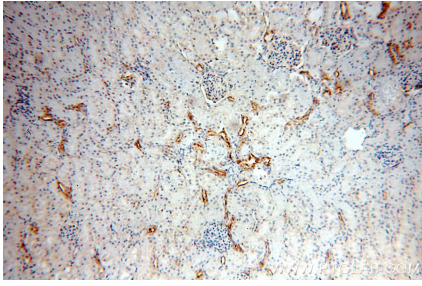
T: 4006900926

E: Proteintech-CN@ptglab.com

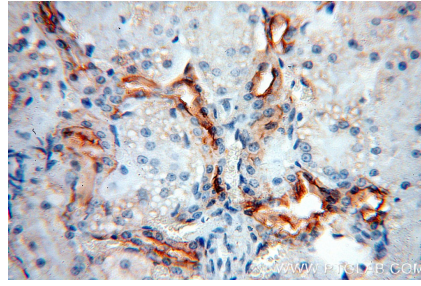
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Selected Validation Data



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).