

For Research Use Only

# ARAP1 Polyclonal antibody, PBS Only

Catalog Number:17541-1-PBS



## Basic Information

<b>Catalog Number:</b> 17541-1-PBS	<b>GenBank Accession Number:</b> BC056401	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 116985	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96P48	
<b>Isotype:</b> IgG	<b>Full Name:</b> ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	
<b>Immunogen Catalog Number:</b> AG11597	<b>Calculated MW:</b> 162 kDa	
	<b>Observed MW:</b> 180 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
human

## Background Information

ARAP1 is a member of ARAP family with both Arf GAP and Rho GAP activities, by which ARAP1 makes a direct link between ADP-ribosylation factor (Arf) GTPases and Rho GTPases signaling. ARAP1 is involved in membrane trafficking and receptor recycling. It supports the plasma membrane recycling of the angiotensin II type 1 receptor (AT1) and regulates the cell-specific trafficking of the pro-death receptor TRAIL-R1/DR4, thereby promoting TRAIL-induced apoptosis in certain cell types. (PMID: 14559250, PMID: 18165900, PMID: 38008882)

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

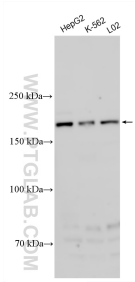
For technical support and original validation data for this product please contact:

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

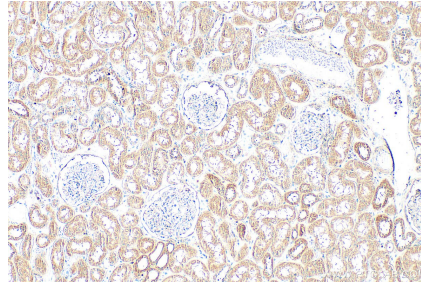
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

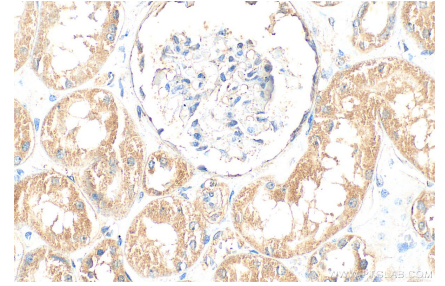
## Selected Validation Data



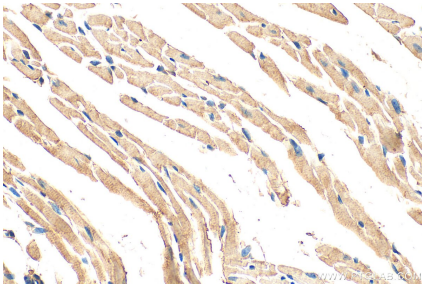
Various lysates were subjected to SDS PAGE followed by western blot with 17541-1-AP (ARAP1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17541-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17541-1-AP (ARAP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17541-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17541-1-AP (ARAP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17541-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 17541-1-AP (ARAP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17541-1-PBS in a different storage buffer formulation.