

For Research Use Only

# ARP3/ARP3B Polyclonal antibody

Catalog Number: 13822-1-AP

Featured Product

11 Publications



## Basic Information

### Catalog Number:

13822-1-AP

### Size:

150ul, Concentration: 550 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4922

### GenBank Accession Number:

BC044590

### GeneID (NCBI):

10096

### Full Name:

ARP3 actin-related protein 3 homolog (yeast)

### Calculated MW:

418 aa 47 kDa

### Observed MW:

47 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 µg for IP and 1:500-1:2000

for WB

IHC 1:500-1:2000

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

IF, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, 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**: A431 cells, mouse spleen tissue, human liver tissue, A549 cells, HL-60 cells, HeLa cells, Jurkat cells, K-562 cells, PC-3 cells

**IP**: mouse spleen tissue,

**IHC**: human kidney tissue,

## Background Information

ARP3 (also known as ACTR3) is a major constituent of the ARP2/3 complex that is necessary for nucleating actin polymerization at filament branches. ARP3 localizes to the lamellipodia of stationary and locomoting fibroblasts. Overexpression of ARP3 has been reported in several types of cancer cells. This antibody recognizes endogenous ARP3 and may cross-react with ATCR3B.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xin Dong	33061800	Int J Biol Sci	WB
Franziska Kluge	30463620	Cell Commun Signal	IF
Julia Weissbach	26976641	Mol Cell Biol	WB, IF

## 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

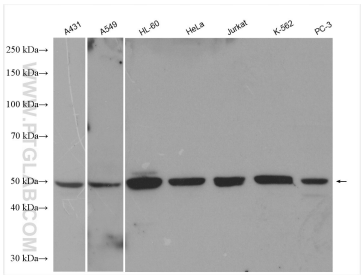
For technical support and original validation data for this product please contact:

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

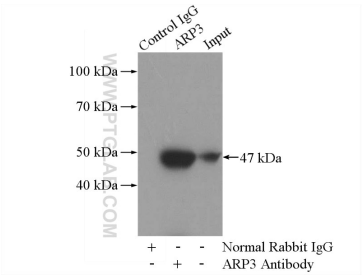
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

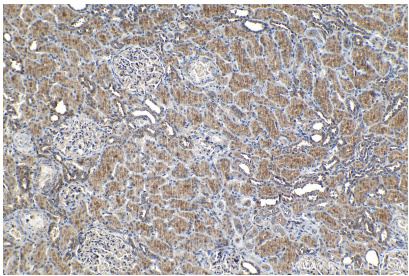
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13822-1-AP (ARP3/ARP3B antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP Result of anti-ARP3 (IP:13822-1-AP, 4ug; Detection:13822-1-AP 1:1000) with mouse spleen tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13822-1-AP (ARP3/ARP3B antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).