

For Research Use Only

# ARP3/ARP3B Monoclonal antibody

Catalog Number: 68439-1-Ig



## Basic Information

<b>Catalog Number:</b> 68439-1-Ig	<b>GenBank Accession Number:</b> BC044590	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 10096	<b>CloneNo.:</b> 1D12C7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P61158	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> ARP3 actin-related protein 3 homolog (yeast)	
<b>Immunogen Catalog Number:</b> AG5017	<b>Calculated MW:</b> 418 aa 47 kDa	
	<b>Observed MW:</b> 47 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, IHC, ELISA

**Species Specificity:**  
Human, mouse, rat, rabbit, pig

**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:** Calu-3 cells, A549 cells, U2OS cells, HeLa cells, Human peripheral blood platelets, Pig lung tissue, Rabbit lung tissue, Rat lung tissue, Mouse lung tissue

**IHC:** mouse brain tissue, mouse spleen tissue

**IF/ICC:** HUVEC cells,

## 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.

## 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:

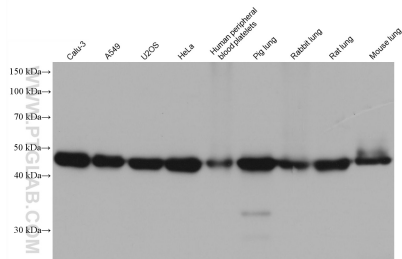
T: 4006900926

E: Proteintech-CN@ptglab.com

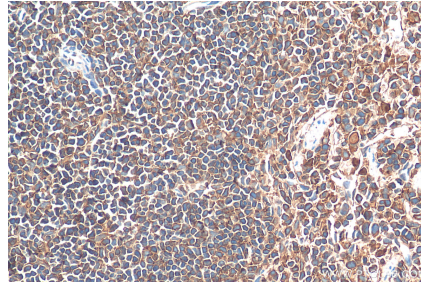
W: ptgcn.com

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

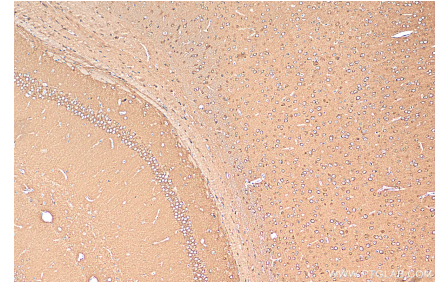
## Selected Validation Data



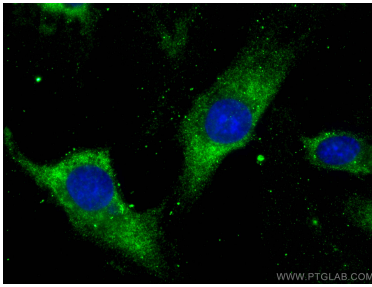
Various lysates were subjected to SDS PAGE followed by western blot with 68439-1-Ig (ACTR3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 68439-1-Ig (ARP3/ARP3B antibody) at dilution of 1:1000 (under 10x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68439-1-Ig (ARP3/ARP3B antibody) at dilution of 1:1000 (under 10x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HUVEC cells using ARP3/ARP3B antibody (68439-1-Ig, Clone: 1D12C7) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).