For Research Use Only

# ARPC1B Monoclonal antibody

Catalog Number:67320-1-Ig

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## Basic Information

Catalog Number:
67320-1-Ig

Size:
150ul , Concentration: 2200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG29095

GenBank Accession Number:
BC007555

GeneID (NCBI):
10095

UNIPROT ID:
O15143

Full Name:
actin related protein 2/3 complex, subunit 1B, 41kDa

Calculated MW:
41 kDa

Observed MW:
38 kDa

Purification Method:
Protein G purification

CloneNo.:
2C8A1

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:500-1:2000

## Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
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 : HeLa cells, Jurkat cells, K-562 cells, THP-1 cells, rat spleen tissues

IHC : human appendicitis tissue, mouse spleen tissue

## Background Information

ARPC1B also known as ARC41, p41-ARC, or p40-ARC, is one of seven subunits of the human Arp2/3 protein complex, that belongs to the SOP2 family. ARPC1B localizes on centrosomes and has a distinct role in centrosomal homeostasis. ARPC1B is both a physiological activator and substrate of Aurora A kinase, and these interactions help to maintain mitotic integrity in mammalian cells. In recent resaeach, ARPC1B is selected as a candidate prediction marker for sensitivity of Choroidal malignant melanomas to radiotherapy.

## Storage

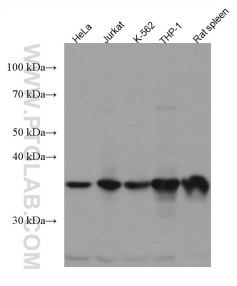
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

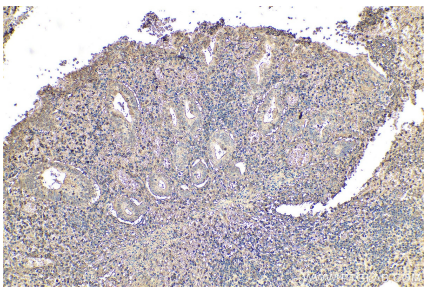
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

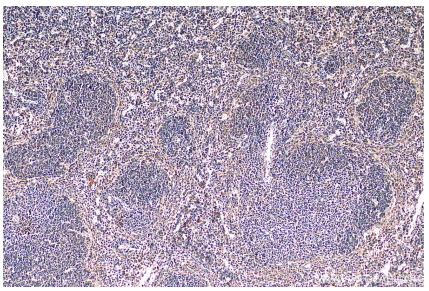
## Selected Validation Data




Various lysates were subjected to SDS PAGE followed by western blot with 67320-1-Ig (ARPC1B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 67320-1-Ig (ARPC1B 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 spleen tissue slide using 67320-1-Ig (ARPC1B antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).