

For Research Use Only

ARPC1B Monoclonal antibody

Catalog Number: 67320-1-Ig



Basic Information

Catalog Number: 67320-1-Ig	GenBank Accession Number: BC007555	Purification Method: Protein G purification
Size: 150ul , Concentration: 2200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10095	CloneNo.: 2C8A1
Source: Mouse	Full Name: actin related protein 2/3 complex, subunit 1B, 41kDa	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG1	Calculated MW: 41 kDa	
Immunogen Catalog Number: AG29095	Observed MW: 38 kDa	

Applications

Tested Applications:

IHC, WB, 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 research, 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

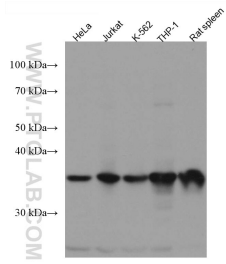
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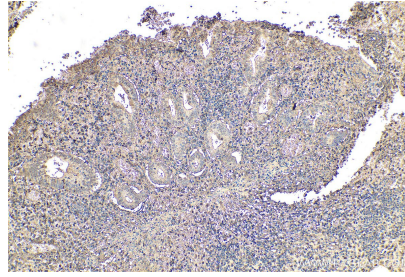
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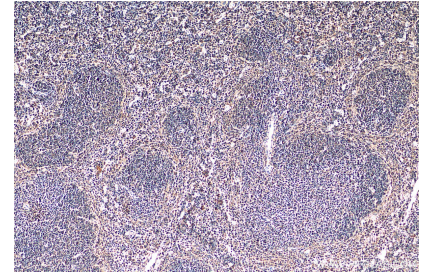
Selected Validation Data



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).