

For Research Use Only

ARL5B Polyclonal antibody

Catalog Number: 11694-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

11694-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2309

GenBank Accession Number:

BC024163

GeneID (NCBI):

221079

UNIPROT ID:

Q96KC2

Full Name:

ADP-ribosylation factor-like 5B

Calculated MW:

179 aa, 20 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IP

Species Specificity:

human

Cited Species:

human, 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: U2OS cells, HepG2 cells, HeLa cells

IHC: human intrahepatic cholangiocarcinoma tissue,

Background Information

ARL5B, also known as ADP ribosylation factor-like GTPase 5B, is a small G protein that is localized to the trans-Golgi network (TGN) in mammalian cells. It plays a significant role in the regulation of retrograde membrane transport from endosomes back to the TGN. This function is particularly important for the maintenance of cellular membrane traffic and the organization of the Golgi apparatus.

Notable Publications

Author	Pubmed ID	Journal	Application
Chun-Xiang Zhou	32985032	J Cell Biochem	WB
Yuichi Kitai	25451939	J Biol Chem	WB, IP

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

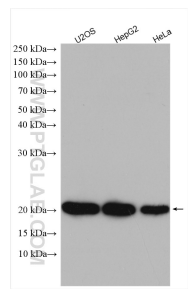
For technical support and original validation data for this product please contact:

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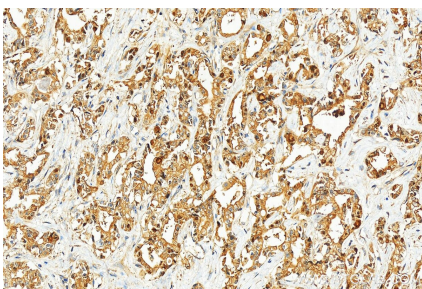
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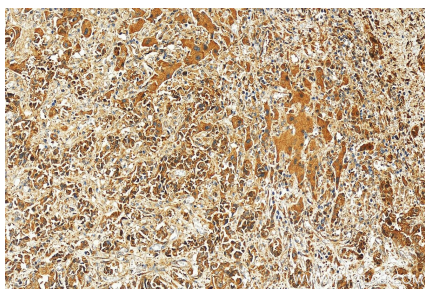
Selected Validation Data



U2OS cells were subjected to SDS PAGE followed by western blot with 11694-1-AP (ARL5B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 11694-1-AP (ARL5B antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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