

For Research Use Only

ARL8B Polyclonal antibody

Catalog Number: 13049-1-AP

Featured Product

24 Publications



Basic Information

Catalog Number:

13049-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3711

GenBank Accession Number:

BC013131

GeneID (NCBI):

55207

UNIPROT ID:

Q9NVJ2

Full Name:

ADP-ribosylation factor-like 8B

Calculated MW:

186 aa, 22 kDa

Observed MW:

22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, ColP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, monkey, chicken

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: fetal human brain tissue, human brain tissue, mouse brain tissue, NIH/3T3 cells

IHC: mouse brain tissue,

IF/ICC: A549 cells,

Background Information

ARL8B (ADP-ribosylation factor-like 8B), also known as ARL10C or GIE1, is a small GTPase of the Arl-family, that is associated with the lysosome. ARL8A interacts with Tubulin, and plays a role in lysosome motility, as well as in chromosomal segregation. ARL8B plays a role in the spatial distribution and positioning of lysosomes. ARL8B is regarded as a regulator of endosome to lysosome trafficking pathways of special significance for host defense.

Notable Publications

Author	Pubmed ID	Journal	Application
Gee Adnan	32917789	J Neurosci	IF
Tal Keren-Kaplan	33232665	Curr Biol	WB
Tsuyoshi Inoshita	36404922	iScience	IHC

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

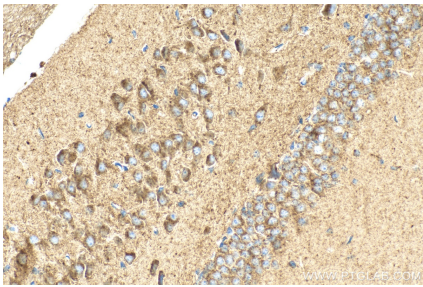
For technical support and original validation data for this product please contact:

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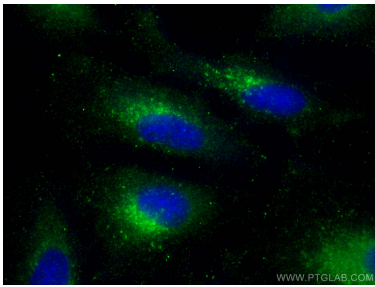
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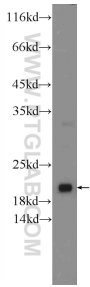
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13049-1-AP (ARL8B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using ARL8B antibody (13049-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 13049-1-AP (ARL8B Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.