

For Research Use Only

# ARL8B Polyclonal antibody

Catalog Number: 13049-1-AP

Featured Product

29 Publications



## Basic Information

Catalog Number:

13049-1-AP

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, CoIP

Species Specificity:

human, mouse, rat

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, human stomach cancer tissue, mouse kidney tissue, rat pancreas tissue, rat stomach 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

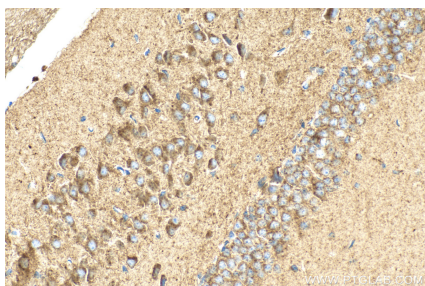
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

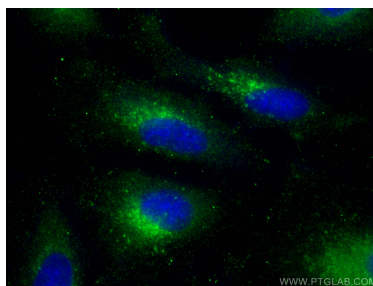
W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



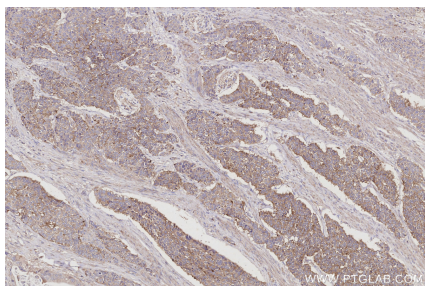
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13049-1-AP (ARL8B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



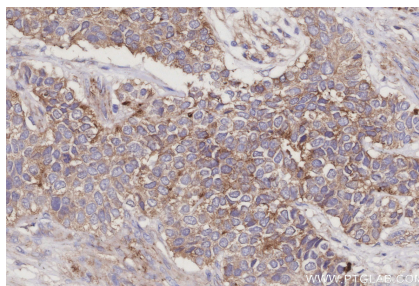
Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using ARL8B antibody (13049-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



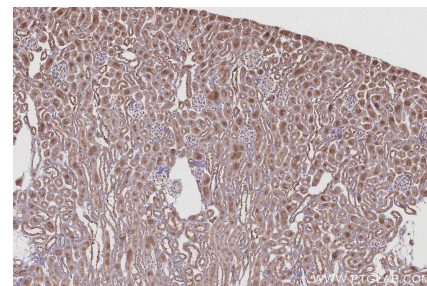
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 13049-1-AP (ARL8B Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



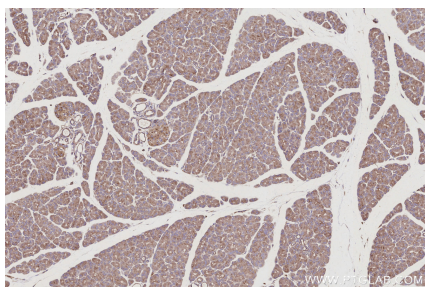
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13049-1-AP (ARL8B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



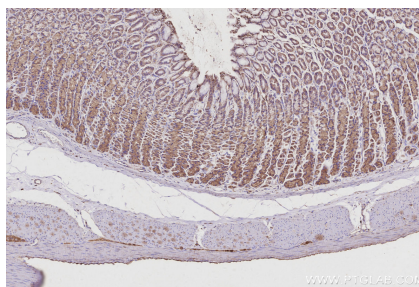
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13049-1-AP (ARL8B antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13049-1-AP (ARL8B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using 13049-1-AP (ARL8B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 13049-1-AP (ARL8B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).