

For Research Use Only

ARL8A Polyclonal antibody

Catalog Number: 17060-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

17060-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10788

GenBank Accession Number:

BC015408

GeneID (NCBI):

127829

UNIPROT ID:

Q96BM9

Full Name:

ADP-ribosylation factor-like 8A

Calculated MW:

186 aa, 21 kDa

Observed MW:

22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

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 : mouse brain tissue, HepG2 cells, HeLa cells

IP : mouse brain tissue,

IHC : human stomach tissue,

Background Information

ARL8A (ADP-ribosylation factor-like protein 8A) is also named as ARL10B, GIE2 and belongs to the small GTPase superfamily. ARL8A is localized to lysosomes in mammalian cells (PMID: 16537643). In neurons, ARL8A mediates the anterograde axonal long-range transport of presynaptic lysosome-related vesicles that are required for presynaptic biogenesis and synaptic function. ARL8A is upregulated in many cancers such as endometrial cancer (PMID: 32070877), colorectal cancer (PMID: 30546056) and inflammatory breast cancer (PMID: 27648361), and has been associated with poor survival outcomes. ARL8A has a calculated molecular weight of 21 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Tal Keren-Kaplan	33232665	Curr Biol	WB
Tal Keren-Kaplan	35314674	Nat Commun	WB
Jessica J A Hummel	34287616	J Cell Biol	IF

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

*** 20ul sizes contain 0.1% BSA

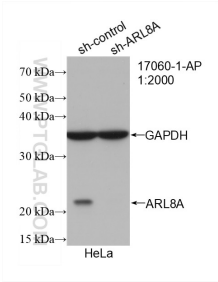
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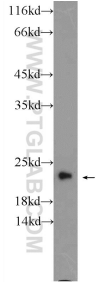
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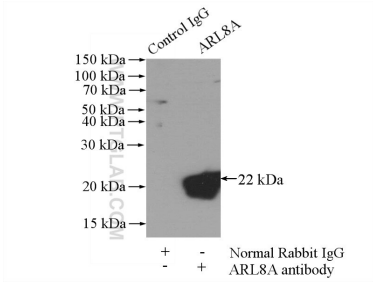
Selected Validation Data



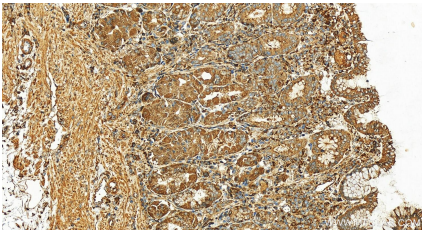
WB result of ARL8A antibody (17060-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ARL8A transfected HeLa cells.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 17060-1-AP (ARL8A Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-ARL8A (IP:17060-1-AP, 4ug; Detection:17060-1-AP 1:600) with mouse brain tissue lysate 3440ug.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 17060-1-AP (ARL8A antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).