

RAB3GAP2 Polyclonal antibody

Catalog Number: 24599-1-AP

Basic Information

Catalog Number:

24599-1-AP

Size:

550 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20254

GenBank Accession Number:

BC146760

GeneID (NCBI):

25782

UNIPROT ID:

Q9H2M9

Full Name:

RAB3 GTPase activating protein subunit 2 (non-catalytic)

Calculated MW:

1393 aa, 156 kDa

Observed MW:

150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:8000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

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 : HEK-293 cells, HeLa cells, Jurkat cells, mouse brain tissue

IHC : human brain tissue, human cerebellum tissue

Background Information

RAB3GAP2, also known as RAB3-GAP150, belongs to the Rab3-GAP regulatory subunit family. Rab3 GAP consists of two subunits: the catalytic subunit p130 and the noncatalytic subunit p150. Rab3 GAP is ubiquitously expressed and enriched in the synaptic soluble fraction of brain, consistent with it having a key role in neurodevelopment. RAB3-GAP150 forms the Rab3 GTPase-activating complex with RAB3-GAP130, where it constitutes the regulatory subunit, whereas the latter functions as the catalytic subunit. Defects in RAB3-GAP150 are the cause of Martsolf and Warburg Micro syndrome.

Storage

Storage:

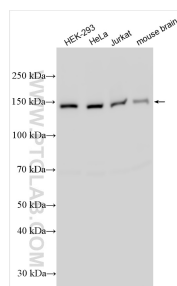
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

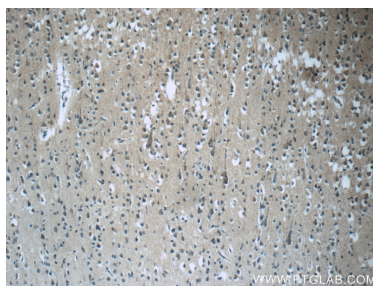
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

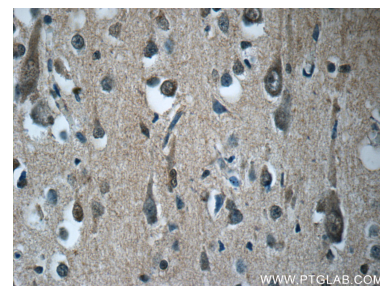
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24599-1-AP (RAB3GAP2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24599-1-AP (RAB3GAP2 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24599-1-AP (RAB3GAP2 Antibody) at dilution of 1:50 (under 40x lens).