

For Research Use Only

RAB8 Polyclonal antibody

Catalog Number: 11792-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

11792-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2421

GenBank Accession Number:

BC020654

GeneID (NCBI):

51762

UNIPROT ID:

Q92930

Full Name:

RAB8B, member RAS oncogene family

Calculated MW:

207 aa, 24 kDa

Observed MW:

24 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, canine

Positive Controls:

WB : fetal human brain tissue, human brain tissue

IP : mouse brain tissue,

IHC : human lung cancer tissue,

IF/ICC : HepG2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

The Rab8 GTPase is a member of the Ras superfamily that functions in protein transport and membrane restructuring. RAB8 has two isoforms, RAB8A and RAB8B, that share 40% amino acid identity in the C-terminal variable region. RAB8 activity is regulated by specific guanine nucleotide exchange factors (GEFs), that mediate GTP loading, and GTPase activating proteins (GAPs) that convert them into the inactive GDP-bound form. RAB8 participates in recycling of the α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptors to the dendritic spine surface as well as in the intracellular transport of the metabotropic glutamate receptor type 1 in neuronal cells. Rab8 is activated at the base of the cilium by its guanine nucleotide exchanger Rabin8. The antibody 11792-1-AP can detect both RAB8A and RAB8B. 55295-1-AP is specific to RAB8B and 55296-1-AP is specific to RAB8A.

Notable Publications

Author	Pubmed ID	Journal	Application
Luca Marchetti	34524684	Eur J Immunol	IF
S. Holbert	34815429	Sci Rep	FC
Biao Wang	33987909	EMBO Rep	WB,IF

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

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

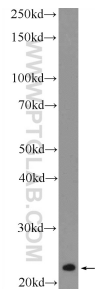
T: 4006900926

E: Proteintech-CN@ptglab.com

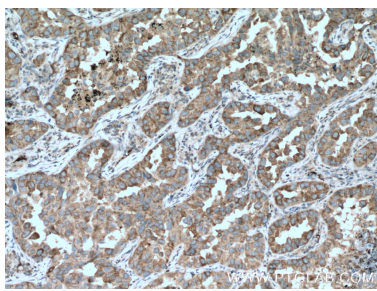
W: ptgcn.com

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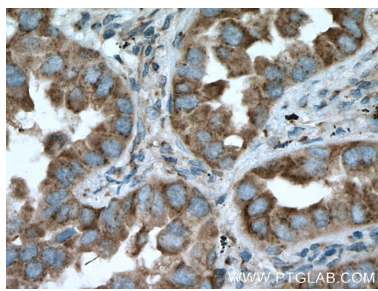
Selected Validation Data



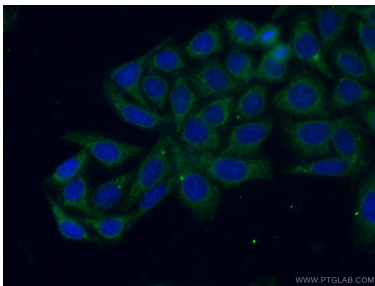
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 11792-1-AP (RAB8B Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



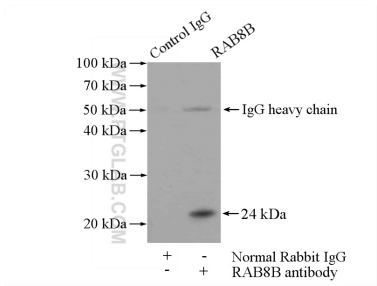
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11792-1-AP (RAB8B antibody) at dilution of 1:200 (under 10x lens) Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11792-1-AP (RAB8B antibody) at dilution of 1:200 (under 40x lens) Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



Immunofluorescent analysis of (-20℃ Ethanol) fixed HepG2 cells using 11792-1-AP (RAB8B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-RAB8 (IP:11792-1-AP, 4ug; Detection:11792-1-AP 1:1000) with mouse brain tissue lysate 4000ug.