

RAB8A Polyclonal antibody

Catalog Number: 55296-1-AP

Featured Product

21 Publications

Basic Information

Catalog Number:

55296-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005370

GeneID (NCBI):

4218

UNIPROT ID:

P61006

Full Name:

RAB8A, member RAS oncogene family

Calculated MW:

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

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, canine

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: A431 cells, mouse lung tissue, HepG2 cells, NIH/3T3 cells, human brain tissue, mouse skin tissue, HeLa cells

IP: HeLa cells,

IHC: human colon cancer tissue,

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
Khamal K Ampah	30254024	J Cell Sci	IF
Min Liu	34480124	Cell Res	WB, IF
Fangyan Yu	27767179	Sci Rep	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

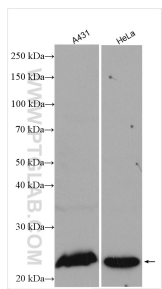
For technical support and original validation data for this product please contact:

T: 4006900926

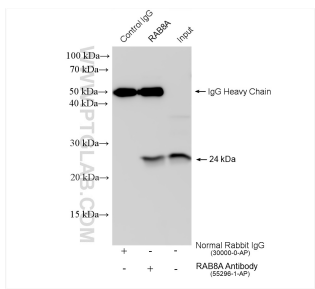
E: Proteintech-CN@ptglab.comW: ptgcn.com

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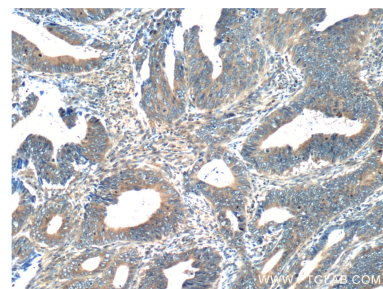
Selected Validation Data



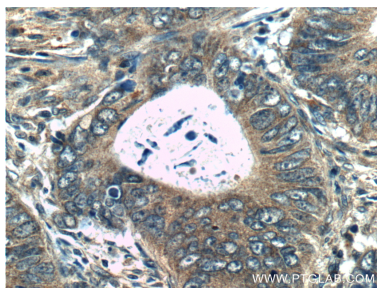
Various lysates were subjected to SDS PAGE followed by western blot with 55296-1-AP (RAB8A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-RAB8A (IP:55296-1-AP, 4ug; Detection:55296-1-AP 1:600) with HeLa cells lysate 1320 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 55296-1-AP (RAB8A Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 55296-1-AP (RAB8A Antibody) at dilution of 1:200 (under 40x lens).