

For Research Use Only

Rab18 Polyclonal antibody

Catalog Number: 11304-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

11304-1-AP

Size:

150ul, Concentration: 180 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1841

GenBank Accession Number:

BC015014

GeneID (NCBI):

22931

UNIPROT ID:

Q9NP72

Full Name:

RAB18, member RAS oncogene family

Calculated MW:

206 aa, 23 kDa

Observed MW:

20-23 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:200-1:2000

IF-P 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig, monkey

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, human heart tissue, human brain tissue, PC-3 cells, human testis tissue, mouse testis tissue, rat brain tissue

IP : mouse testis tissue, rat testis tissue

IHC : human stomach cancer tissue, mouse brain tissue

IF-P : mouse brain tissue,

IF/ICC : HEK-293 cells,

Background Information

RAB18 is a member of a family of Ras-related small GTPases. RAB18 plays a role in apical endocytosis/recycling, and may be implicated in transport between the plasma membrane and early endosomes. It also plays a key role in eye and brain development and neurodegeneration. Defects in RAB18 are associated with Warburg micro syndrome type 3.

Notable Publications

Author	Pubmed ID	Journal	Application
Jenifer Monks	36158190	Front Cell Dev Biol	IHC
Binge Wu	30464528	Onco Targets Ther	WB,IHC
Xu Ji	32494165	Onco Targets Ther	WB,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

*** 20ul sizes contain 0.1% BSA

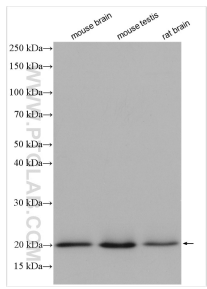
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

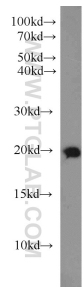
E: proteintech@ptglab.com
W: ptglab.com

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

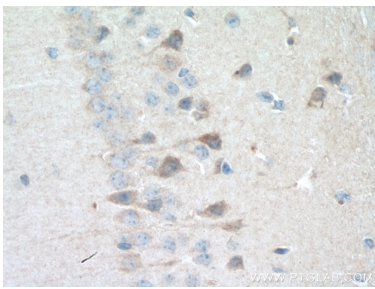
Selected Validation Data



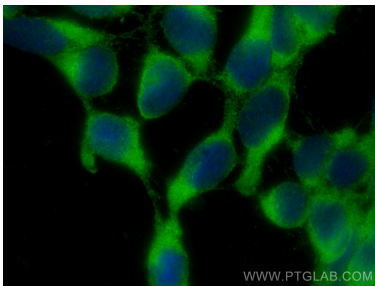
Various lysates were subjected to SDS PAGE followed by western blot with 11304-1-AP (Rab18 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



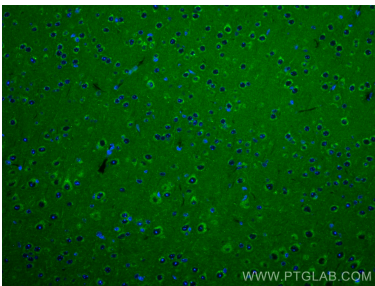
human testis tissue were subjected to SDS PAGE followed by western blot with 11304-1-AP (RAB18 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



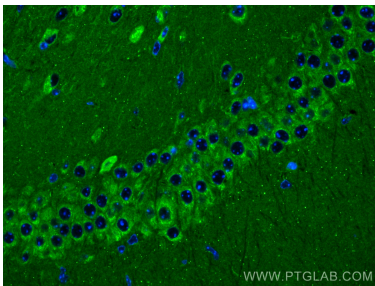
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11304-1-AP (Rab18 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



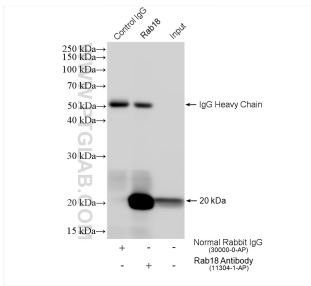
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using Rab18 antibody (11304-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



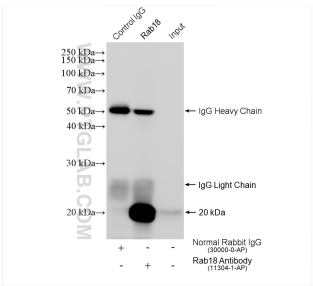
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Rab18 antibody (11304-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



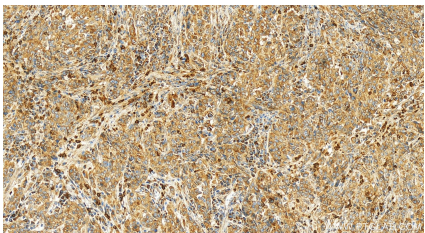
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Rab18 antibody (11304-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-Rab18 (IP:11304-1-AP, 4ug; Detection:11304-1-AP 1:2000) with mouse testis tissue lysate 1120 ug.



IP result of anti-Rab18 (IP:11304-1-AP, 4ug; Detection:11304-1-AP 1:2000) with rat testis tissue lysate 4000 ug.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11304-1-AP (Rab18 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).