

For Research Use Only

RAB3IP/Rabin8 Polyclonal antibody

Catalog Number: 12321-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

12321-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2974

GenBank Accession Number:

BC015548

GeneID (NCBI):

117177

UNIPROT ID:

Q96QF0

Full Name:

RAB3A interacting protein (rabin3)

Calculated MW:

476 aa, 53 kDa

Observed MW:

53/51/43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:400-1:1600

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, 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 : mouse brain tissue, human heart tissue, mouse lung tissue, human brain tissue, mouse heart tissue, rat brain tissue

IP : mouse lung tissue,

IHC : human stomach cancer tissue,

IF/ICC : HepG2 cells,

Background Information

RAB3IP, also known as Rabin8, is a deduced 476-amino acid protein containing a central coiled-coil domain, a bipartite nuclear localization signal, and a C-terminal endoplasmic reticulum retention motif. Rabin8 has several sites for N-glycosylation and phosphorylation. Rabin8 plays important roles in various cellular processes, including ciliogenesis. The GEF activity of Rabin8 towards Rab8 is essential for ciliogenesis and cyst apical membrane transport, but not for exocytosis of discoidal/fusiform-shaped vesicles. This antibody can recognize isoforms with predicted MWs of 53 kDa, 51 kDa, 43 kDa, 45 kDa, 33 kDa and 35 kDa, 29 kDa respectively.

Notable Publications

Author	Pubmed ID	Journal	Application
Kubilay Demir	24035388	Cell Rep	WB
Yu-Chiang Lai	26471730	EMBO J	WB
Michael C Burke	25313408	J Cell Biol	WB

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

*** 20ul sizes contain 0.1% BSA

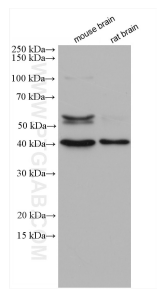
For technical support and original validation data for this product please contact:

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

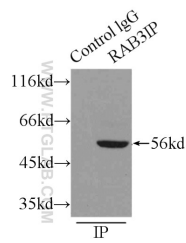
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data

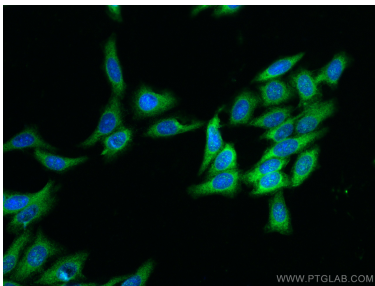


Various lysates were subjected to SDS PAGE followed by western blot with 12321-1-AP (RAB3IP antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-RAB3IP (IP:12321-1-AP, 3ug; Detection:12321-1-AP 1:1000) with mouse lung tissue lysate 4500ug.

Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 12321-1-AP (RAB3IP antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using RAB3IP/Rabin8 antibody (12321-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).