

For Research Use Only

GNB4 Polyclonal antibody

Catalog Number: 11978-2-AP

2 Publications



Basic Information

Catalog Number:

11978-2-AP

Size:

430 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2604

GenBank Accession Number:

BC000873

GeneID (NCBI):

59345

UNIPROT ID:

Q9HAV0

Full Name:

guanine nucleotide binding protein (G protein), beta polypeptide 4

Calculated MW:

340 aa, 38 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : A549 cells, HEK-293T cells, MCF-7 cells, SH-SY5Y cells, human placenta tissue, mouse kidney tissue

IP : mouse brain tissue,

IF/ICC : SH-SY5Y cells, HepG2 cells

Background Information

G protein subunit beta 4 (GNB4), is one of the heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins. GNB4 is important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors.

Notable Publications

Author	Pubmed ID	Journal	Application
Jasjot Singh	36266287	Nat Commun	WB
Duanrui Liu	37016382	BMC Med	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:

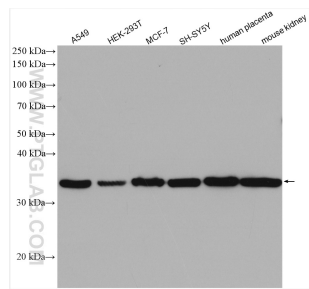
T: 4006900926

E: Proteintech-CN@ptglab.com

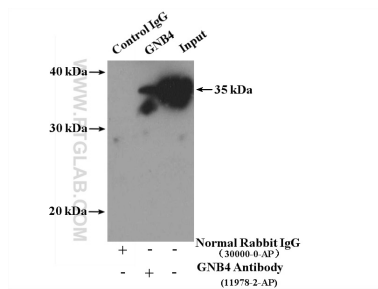
W: ptgcn.com

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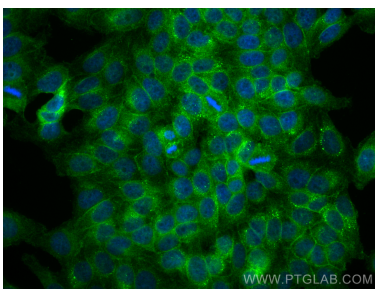
Selected Validation Data



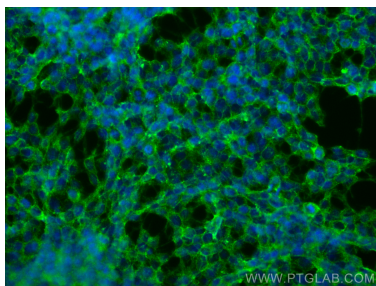
Various lysates were subjected to SDS PAGE followed by western blot with 11978-2-AP (GNB4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-GNB4 (IP:11978-2-AP, 4ug; Detection:11978-2-AP 1:800) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GNB4 antibody (11978-2-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using GNB4 antibody (11978-2-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).