

For Research Use Only

# GNB4 Polyclonal antibody

Catalog Number: 11978-2-AP

2 Publications



## Basic Information

### Catalog Number:

11978-2-AP

### Size:

150ul, Concentration: 430 ug/ml by Nanodrop;

### 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

\*\*\* 20ul sizes contain 0.1% BSA

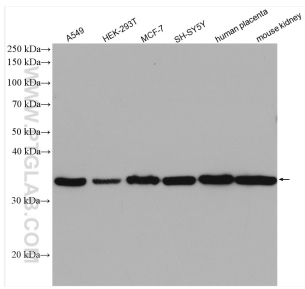
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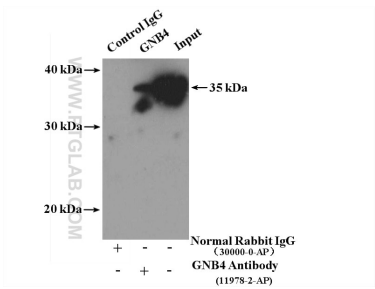
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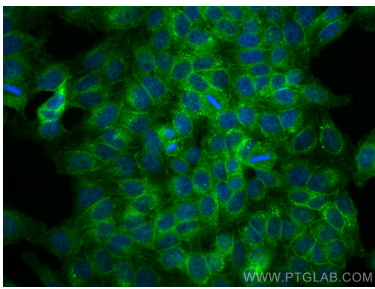
Selected Validation Data



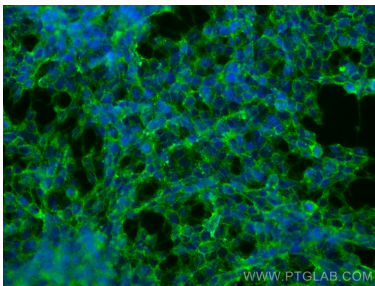
Various lysates were subjected to SDS PAGE followed by western blot with 11978-2-AP (GNB4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).