

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,

## 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

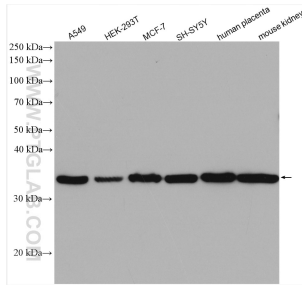
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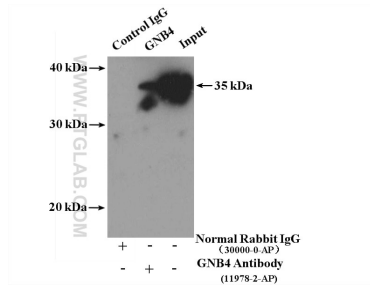
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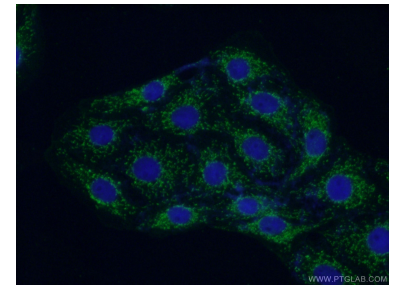
## Selected Validation Data



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 (-20°C Ethanol) fixed SH-SY5Y cells using 11978-2-AP (GNB4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).