

For Research Use Only

# GNB3 Polyclonal antibody

Catalog Number: 10081-1-AP

9 Publications



## Basic Information

Catalog Number:

10081-1-AP

Concentration:

200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0127

GenBank Accession Number:

BC000115

GeneID (NCBI):

2784

UNIPROT ID:

P16520

Full Name:

guanine nucleotide binding protein (G protein), beta polypeptide 3

Calculated MW:

37 kDa

Observed MW:

35-37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:6000

IHC: 1:100-1:400

IF/ICC: 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, zebrafish

**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, mouse embryo tissue, rat brain tissue, mouse cerebellum tissue, mouse eye tissue

IHC: human liver cancer tissue,

IF/ICC: HepG2 cells,

## Background Information

Guanine nucleotide-binding proteins (g proteins) are involved as a modulator or transducer in various transmembrane signaling systems, by integrating signals between receptors and effector proteins. G proteins are composed of an alpha, a beta, and a gamma subunit. This gene encodes a 34 kd beta subunit, being expressed in all tissues. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhongwei Xin	36115836	Nat Commun	IF
Justinn Barr	36073526	Elife	IF
Zsafia I. Laszlo	36309735	Acta Neuropathol Commun	WB

## 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

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

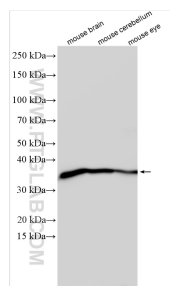
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

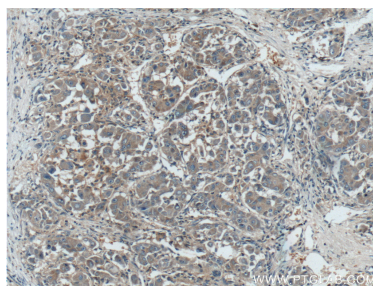
W: [ptgcn.com](http://ptgcn.com)

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

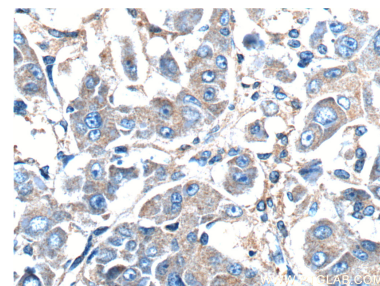
## Selected Validation Data



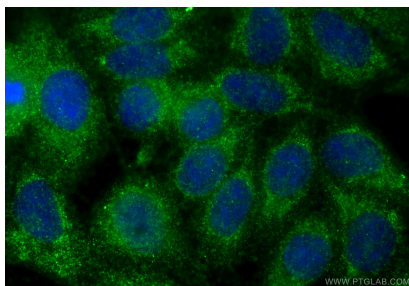
Various lysates were subjected to SDS PAGE followed by western blot with 10081-1-AP (GNB3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10081-1-AP (GNB3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10081-1-AP (GNB3 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GNB3 antibody (10081-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).