

## GNB3 Polyclonal antibody

Catalog Number: 10081-1-AP

6 Publications

## Basic Information

## Catalog Number:

10081-1-AP

## Size:

133 µg/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 1:500-1:2000

IHC 1:100-1:400

IF 1:20-1:200

## Applications

## Tested Applications:

IF/ICC, IHC, WB, ELISA

## Cited Applications:

IF, WB

## Species Specificity:

human, mouse

## Cited Species:

human, rat, mouse, 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 cerebellum tissue, mouse eye tissue, mouse embryo tissue

IHC : human liver cancer tissue,

IF : 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
Zsolia 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

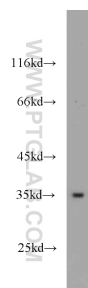
For technical support and original validation data for this product please contact:

T: 4006900926

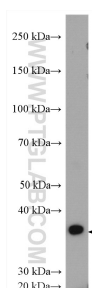
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

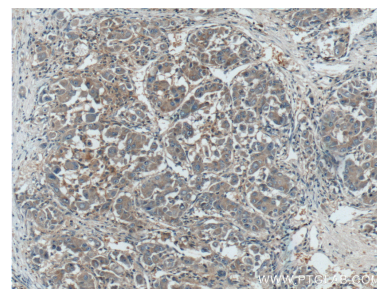
## Selected Validation Data



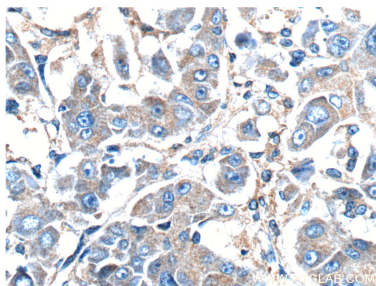
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10081-1-AP (GNB3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



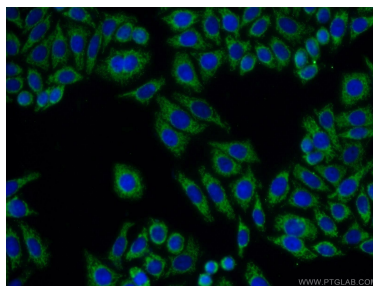
mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 10081-1-AP (GNB3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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 HepG2 cells using 10081-1-AP (GNB3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).