

For Research Use Only

GNB3 Monoclonal antibody

Catalog Number: 67497-1-Ig

Featured Product



Basic Information

Catalog Number:

67497-1-Ig

Concentration:

2000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7050

GenBank Accession Number:

BC002454

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:

Protein G purification

CloneNo.:

2B6E1

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:500-1:2000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, pig

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 : hTERT-RPE1 cells, HepG2 cells, L02 cells, pig brain tissue, rat retina tissue, Raji cells, Ramos cells, Daudi cells, RKO cells, Karpas-422 cells, IMR-32 cells, Rat brain cells, Mouse brain cells, rat brain tissue, mouse brain 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.

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:

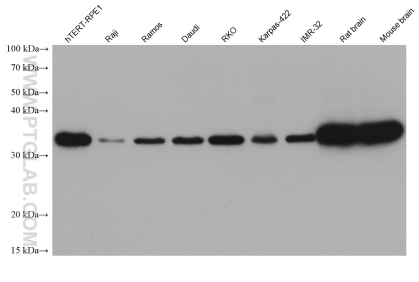
T: 4006900926

E: Proteintech-CN@ptglab.com

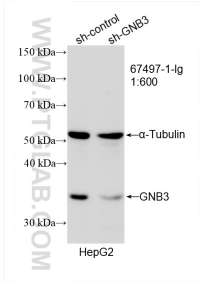
W: ptgcn.com

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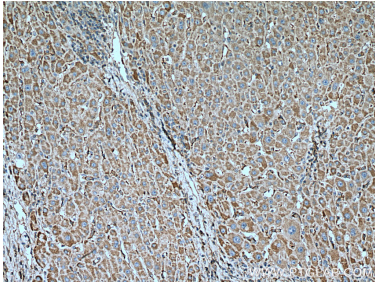
Selected Validation Data



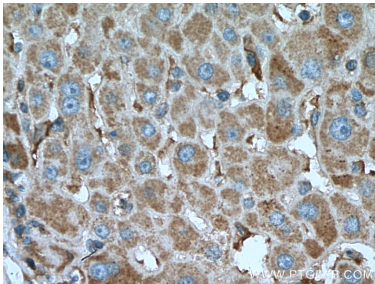
Various lysates were subjected to SDS PAGE followed by western blot with 67497-1-Ig (GNB3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



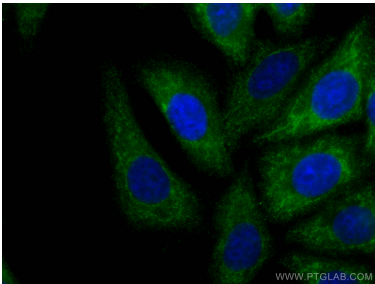
WB result of GNB3 antibody (67497-1-Ig: 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-GNB3 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67497-1-Ig (GNB3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67497-1-Ig (GNB3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GNB3 antibody (67497-1-Ig, Clone: 2B6E1) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).