

For Research Use Only

GNB3 Monoclonal antibody

Catalog Number: 67497-1-Ig



Basic Information

Catalog Number: 67497-1-Ig	GenBank Accession Number: BC002454	Purification Method: Protein G purification
Size: 150ul, Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2784	CloneNo.: 2B6E1
Source: Mouse	UNIPROT ID: P16520	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: guanine nucleotide binding protein (G protein), beta polypeptide 3	
Immunogen Catalog Number: AG7050	Calculated MW: 37 kDa	
	Observed MW: 35-37 kDa	

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

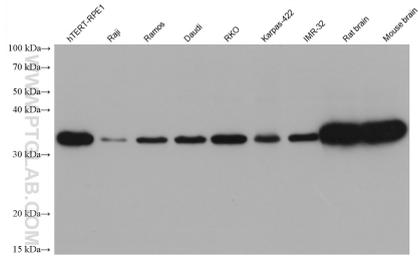
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

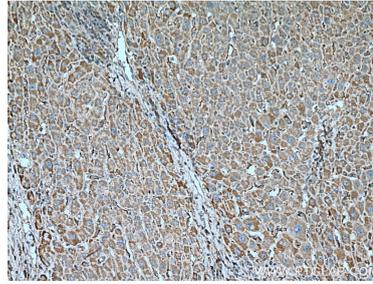
E: proteintech@ptglab.com
W: ptglab.com

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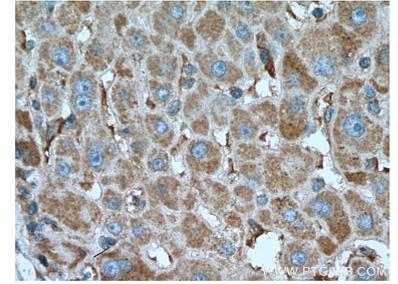
Selected Validation Data



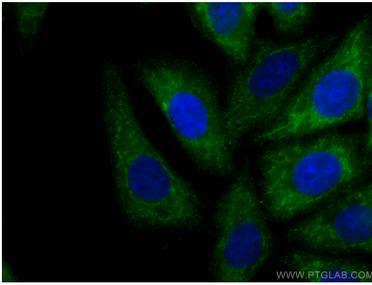
Various lysates were subjected to SDS PAGE followed by western blot with 67497-1-Ig (GNB3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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).