

For Research Use Only

GNB1 Recombinant monoclonal antibody

Catalog Number:87127-3-RR



Basic Information

| | | |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Catalog Number: 87127-3-RR | GenBank Accession Number: BC004186 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 2782 | CloneNo.: 252318D6 |
| Source: Rabbit | UNIPROT ID: P62873 | Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000 |
| Isotype: IgG | Full Name: guanine nucleotide binding protein (G protein), beta polypeptide 1 | |
| Immunogen Catalog Number: AG0313 | Calculated MW: 37 kDa | |
| | Observed MW: 35 kDa | |

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells, T-47D cells, mouse brain tissue, rat brain tissue

IF/ICC : HepG2 cells,

Background Information

GNB1(Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1) belongs to the WD repeat G protein beta family.The guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems and the beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.GNB1 can form dimers with all gamma subunits analyzed(PMID:12782285).

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

*** 20ul sizes contain 0.1% BSA

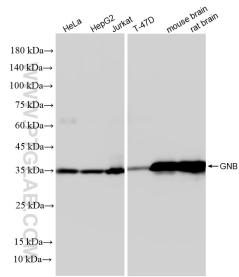
For technical support and original validation data for this product please contact:

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

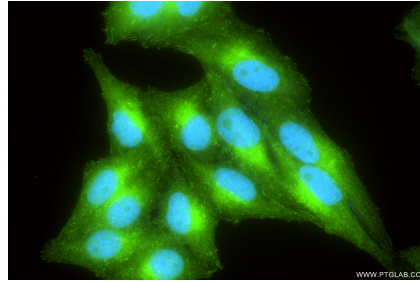
E: proteintech@ptglab.com
W: ptglab.com

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

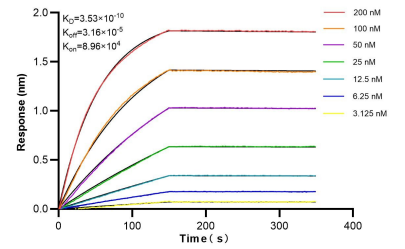
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87127-3-RR (GNB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GNB1 antibody (87127-3-RR, Clone: 252318D6) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 87127-3-RR against Human GNB1 were performed. The affinity constant is 0.353 nM.