For Research Use Only

GNB3 Recombinant antibody

Catalog Number:83452-4-RR

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Basic Information

Catalog Number:
83452-4-RR

Size:
1000 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:
Protein A purfication

CloneNo.:
240281D1

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : MCF-7 cells, L02 cells, HepG2 cells, C6 cells, mouse brain tissue, mouse cerebellum tissue, rat brain tissue

Background Information

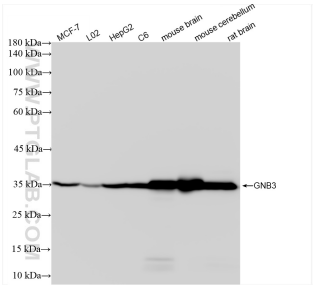
Guanine nucleotide-binding proteins (g proteins) are involved as a modulator or transducer in various transmembrane signaling systems, by integrating signals between receptors and effector proteins. G proteins are composed of an alpha, a beta, and a gamma subunit. This gene encodes a 34 kd beta subunit,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

Storage

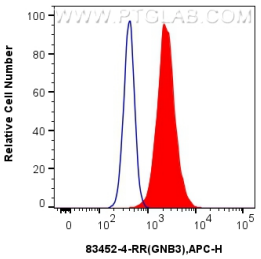
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

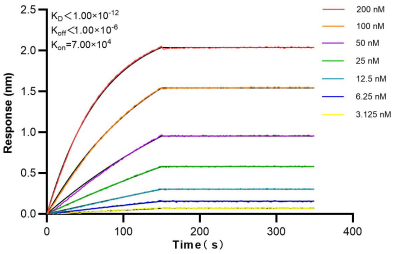
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83452-4-RR (GNB3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10^6 HepG2 cells were intracellularly stained with 0.25 ug GNB3 Recombinant antibody (83452-4-RR, Clone:240281D1) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83452-4-RR against Human GNB3 were performed. The affinity constant is below 1 pM.