

For Research Use Only

# GNB1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87127-3-PBS



## Basic Information

<b>Catalog Number:</b> 87127-3-PBS	<b>GenBank Accession Number:</b> BC004186	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2782	<b>CloneNo.:</b> 252318D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P62873	
<b>Isotype:</b> IgG	<b>Full Name:</b> guanine nucleotide binding protein (G protein), beta polypeptide 1	
<b>Immunogen Catalog Number:</b> AG0313	<b>Calculated MW:</b> 37 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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

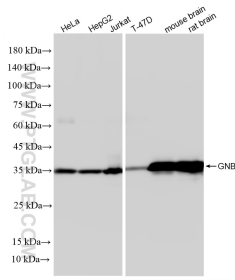
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

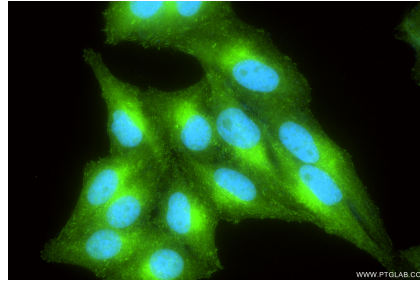
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

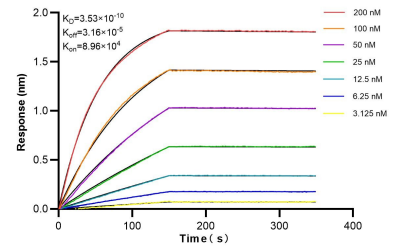
## Selected Validation Data



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. This data was developed using the same antibody clone with 87127-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87127-3-PBS in a different storage buffer formulation.



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