

Datasheet for ABIN2785813  
**anti-GNB1 antibody (N-Term)**[Go to Product page](#)**1** Image**1** Publication

## Overview

Quantity:	100 µL
Target:	GNB1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Dog, Horse, Cow, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNB1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GNB1
Sequence:	MSELDQLRQE AEQLKNQIRD ARKACADATL SQITNNIDPV GRIQMRTRRT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against GNB1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	GNB1
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## Target Details

Alternative Name:	GNB1 ( <a href="#">GNB1 Products</a> )
Background:	<p>Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. GNB1 is a bet</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: UBC, SUMO2, SUMO3, MTOR, RICTOR, RPTOR, WDR26, GNG2, GNG8, GNG12, GNGT1, GNG7, GNG5, GNG3, TBXA2R, ADRB2, PAN2, SVIL, NOL11, CYFIP1, VCAM1, NCF2, MTNR1A, EPHA7, AFP, ESR1, Htt, GNAI3, GNAI2, GNAI1, GNA11, ATP6V1B1, AKT1, MRGPRX1, RADIL, RASD1, ATXN10, RAS</p> <p>Protein Size: 340</p>
Molecular Weight:	37 kDa
Gene ID:	2782
NCBI Accession:	<a href="#">NM_002074</a> , <a href="#">NP_002065</a>
UniProt:	<a href="#">P62873</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Phototransduction</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 340 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Ueda, Nagae, Kozawa, Morishita, Kimura, Nagase, Ohara, Yoshida, Asano: "Heterotrimeric G protein betagamma subunits stimulate FLJ00018, a guanine nucleotide exchange factor for Rac1 and Cdc42." in: <b>The Journal of biological chemistry</b> , Vol. 283, Issue 4, pp. 1946-53, (2008) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

**Image 1. WB Suggested Anti-GNB1 Antibody Titration:**

0.2-1 ug/ml

**ELISA Titer:** 1:1562500

**Positive Control:** Human brain