

Datasheet for ABIN651226  
**anti-GNB1 antibody (N-Term)**[2 Images](#)[2 Publications](#)[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	GNB1
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	This GNB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human GNB1.
Clone:	RB26119
Isotype:	Ig Fraction
Predicted Reactivity:	B, Ha, Zf, M, Rat, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	GNB1
Alternative Name:	GNB1 ( <a href="#">GNB1 Products</a> )
Background:	GNB1 integrate signals between receptors and effector proteins, are composed of an alpha, a

## Target Details

beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. This protein uses alternative polyadenylation signals.

Molecular Weight: 37377

Gene ID: 2782

NCBI Accession: [NP\\_002065](#)

UniProt: [P62873](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [CXCR4-mediated Signaling Events](#), [Phototransduction](#), [Thromboxane A2 Receptor Signaling](#), [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes: WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

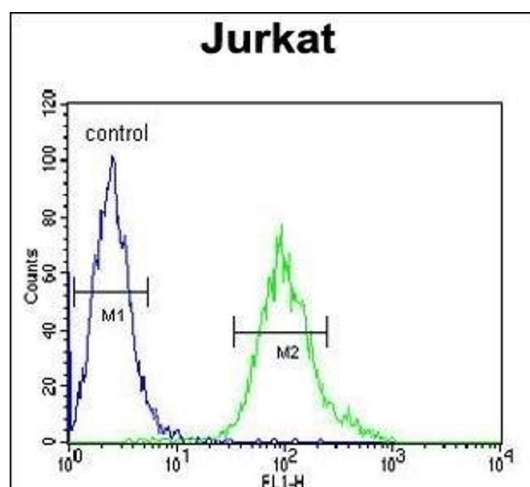
## Publications

Product cited in: Liu, Qin, Yu, Soares, Yang, Weng, Li, Gao, Lu, Hu, Liu, Jiang, Liu, Shu, Tang, Liu: "Pathogenic mutations in retinitis pigmentosa 2 predominantly result in loss of RP2 protein stability in

humans and zebrafish." in: **The Journal of biological chemistry**, Vol. 292, Issue 15, pp. 6225-6239, (2017) ([PubMed](#)).

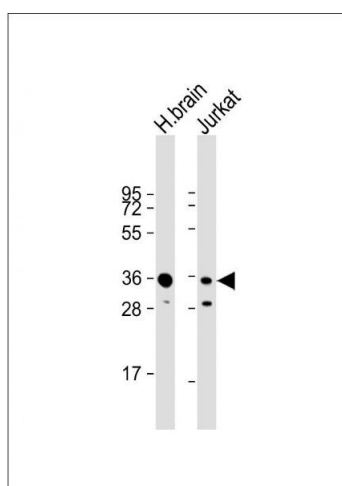
Liu, Chen, Yu, Raghupathy, Liu, Qin, Li, Huang, Liao, Wang, Zou, Shu, Tang, Liu: "Knockout of RP2 decreases GRK1 and rod transducin subunits and leads to photoreceptor degeneration in zebrafish." in: **Human molecular genetics**, Vol. 24, Issue 16, pp. 4648-59, (2015) ([PubMed](#)).

## Images



### Flow Cytometry

**Image 1.** GNB1 Antibody (N-term) (ABIN651226 and ABIN2840141) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



### Western Blotting

**Image 2.** All lanes : Anti-GNB1 Antibody (N-term) at 1:1000 dilution Lane 1: human brain lysate Lane 2: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.