

Rabbit GNB1 Polyclonal Antibody | anti-GNB1 antibody

GNB1 Antibody (N-term)

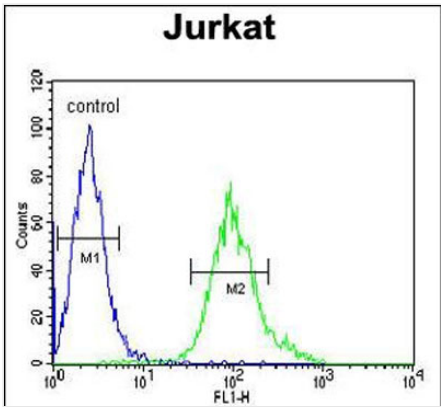
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289159	Rabbit	Human (Predicted Reactivity: Bovine, Hamster, Zebrafish, Mouse, Rat, Xenopus)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

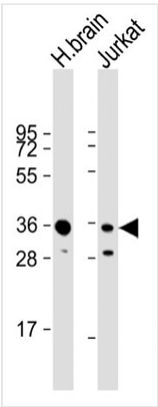
GNB1; Polyclonal Antibody; GNB1 Antibody (N-term); Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1; Transducin beta chain 1; anti-GNB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Hamster, Zebrafish, Mouse, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	1-30
Applicable Applications for anti-GNB1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Application Notes	FC~~1:10~50; WB~~1:1000
Function	Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
GNB1 Antibody (N-term) 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.



WB (Western Blot)
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 ug 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.

ADDITIONAL INFORMATION

Related Product Information for anti-GNB1 antibody	GNB1 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. 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.
Product Categories/Family for anti-GNB1 antibody	Cancer; Metabolism; Signal Transduction
References	Ahmed, S.M., et al. J. Biol. Chem. 285(9):6538-6551(2010) Gutman, O., et al. J. Biol. Chem. 285(6):3905-3915(2010) Knezevic, N., et al. J. Exp. Med. 206(12):2761-2777(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321585
NCBI GeneID	2782
NCBI Accession #	NP_002065.1
NCBI GenBank Nucleotide #	NM_002074.4
UniProt Accession #	P62873; P04697; P04901; Q1RMY8; B1AJZ7
NCBI Official Full Name	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 isoform 1
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), beta polypeptide 1
NCBI Official Symbol	GNB1
NCBI Protein Information	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1
UniProt Protein Name	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1
UniProt Gene Name	GNB1
UniProt Entry Name	GBB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

