

Rabbit GNB2 Polyclonal Antibody | anti-GNB2 antibody

GNB2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327328	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

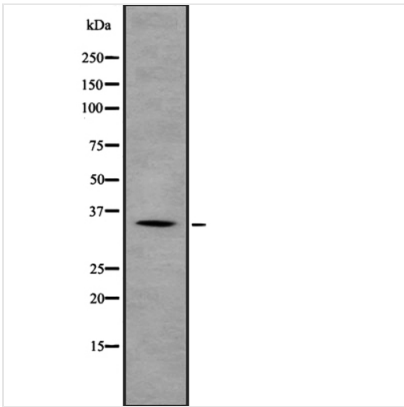
PRODUCT SYNONYMS

GNB2; Polyclonal Antibody; GNB2 Antibody; G protein beta 2 subunit; G protein subunit beta 2; G protein subunit beta-2; GBB2_HUMAN; Gnb2; Gnb2l1; Guanine nucleotide binding protein beta 2 subunit; Guanine nucleotide binding protein G I G S G T beta 2 subunit 2; Guanine nucleotide binding protein G protein beta polypeptide 2; Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2; OTTHUMP00000174601; OTTHUMP00000174602; RACK1; Receptor for activated C kinase; Receptor of activated protein kinase C 1; Signal transducing guanine nucleotide binding regulatory protein beta; Transducin beta chain 2; anti-GNB2 antibody

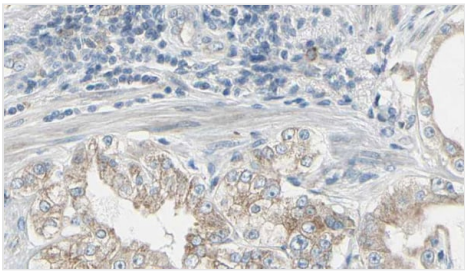
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GNB2 antibody detects endogenous levels of total GNB2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	340
Applicable Applications for anti-GNB2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GNB2
Subcellular Location	Cytoplasm > Perinuclear Region.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Zebrafish (88%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of GNB2 using LOVO whole lysates.



IHC (Immunohistochemistry)
AAA327328 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GNB2 antibody	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. Subunit Structure: G proteins are composed of 3 units, alpha, beta and gamma. Interacts with ARHGEF18 and RASD2. Interacts with ATXN10. Interacts with SCN8A (PubMed:26900580). Similarity: Belongs to the WD repeat G protein beta family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20357529
NCBI GeneID	2783
NCBI Accession #	NP_005264.2
NCBI GenBank Nucleotide #	NM_005273.3
UniProt Accession #	P62879; P11016; P54312; B3KPU1
Molecular Weight	Observed: 35 kDa Predicted: 38 kDa
NCBI Official Full Name	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2
NCBI Official Synonym Full Names	G protein subunit beta 2
NCBI Official Symbol	GNB2
NCBI Protein Information	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2
UniProt Protein Name	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2
UniProt Gene Name	GNB2

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.