

Rabbit GNB1 Polyclonal Antibody | anti-GNB1 antibody

Anti-GNB1 Antibody

CATALOG # AAA46835	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	-----------------------	--	---

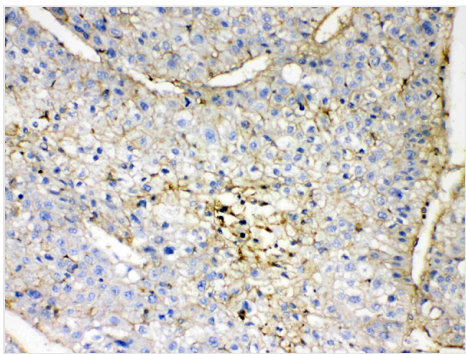
PRODUCT SYNONYMS

GNB1; Polyclonal Antibody; Anti-GNB1 Antibody; G protein beta 1 subunit; GBB1; gnb1; P62873; Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1; G protein subunit beta 1; anti-GNB1 antibody

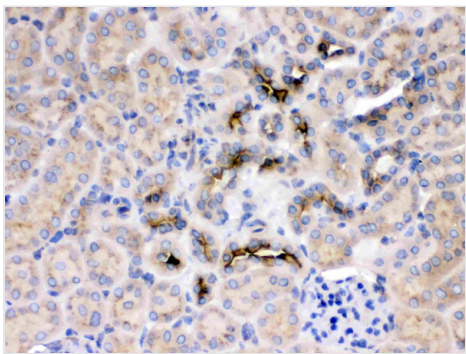
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	240
Applicable Applications for anti-GNB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human GNB1 (2-42aa SELDQLRQEAEQLKNQIRDARKACADATLSQITNNIDPVGR), identical to the related mouse and rat sequences.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

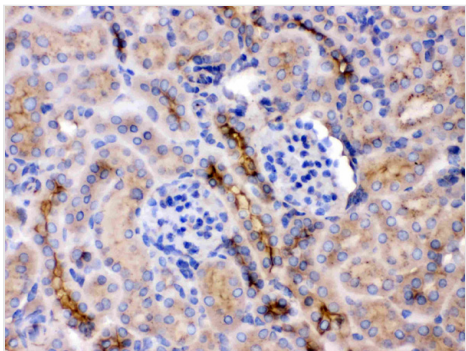
IMAGES



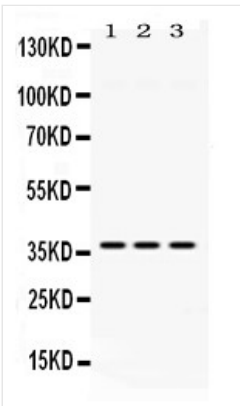
IHC (Immunohistochemistry)
GNB1 was detected in paraffin-embedded sections of human liver cancer tissues using rabbit anti- GNB1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
GNB1 was detected in paraffin-embedded sections of rat kidney tissues using rabbit anti- GNB1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
GNB1 was detected in paraffin-embedded sections of mouse kidney tissues using rabbit anti- GNB1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of GNB1 expression in rat liver extract (lane 1), mouse cardiac muscle extract (lane 2) and HELA whole cell lysates (lane 3). GNB1 at 37KD was detected using rabbit anti- GNB1 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti- GNB1 antibody	Rabbit IgG polyclonal antibody for Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1(GNB1) detection. Background: Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 is a protein that in humans is encoded by the GNB1 gene. 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. 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 gene uses alternative polyadenylation signals.
References	1. Codina J, Stengel D, Woo SL, Birnbaumer L (1986). "Beta-subunits of the human liver Gs/Gi signal-transducing proteins and those of bovine retinal rod cell transducin are identical". FEBS Lett. 207 (2): 187-92. 2. Yan K, Kalyanaraman V, Gautam N (March 1996). "Differential ability to form the G protein betagamma complex among members of the beta and gamma subunit families". J. Biol. Chem. 271 (12): 7141-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	543173167
NCBI GeneID	2782
NCBI Accession #	NP_001269467.1
NCBI GenBank Nucleotide #	NM_001282538.1

UniProt Accession #	P62873; P04697; P04901; Q1RMY8; B1AJZ7
Molecular Weight	36,298 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 isoform 2
NCBI Official Synonym Full Names	G protein subunit beta 1
NCBI Official Symbol	GNB1
NCBI Official Synonym Symbols	MRD42
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/gnb1-antibody-immunohistochemistry-western-blot-elisa/46835>