

Datasheet for ABIN4886607
anti-GNB1 antibody (N-Term)

4 Images

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Overview

Quantity:	100 µg
Target:	GNB1
Binding Specificity:	AA 2-42, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 (GNB1) detection. Tested with WB, IHC-P in Human, Mouse, Rat.
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.
Sequence:	SELDQLRQEA EQLKNQIRDA RKACADATLS QITNNIDPVG R
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 (GNB1) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Gene Name: G protein subunit beta 1

Product Details

Protein Name: Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1

Purification: Immunogen affinity purified.

Target Details

Target: GNB1

Alternative Name: GNB1 ([GNB1 Products](#))

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.

Synonyms: G protein beta 1 subunit | GBB1 | gnb1 | P62873

Gene ID: 2782

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: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

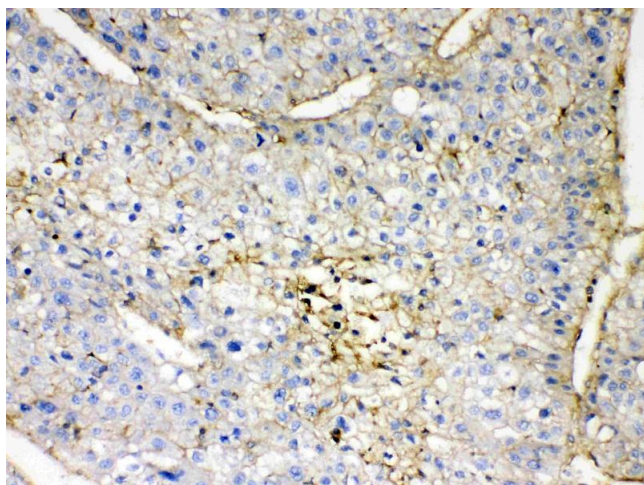
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

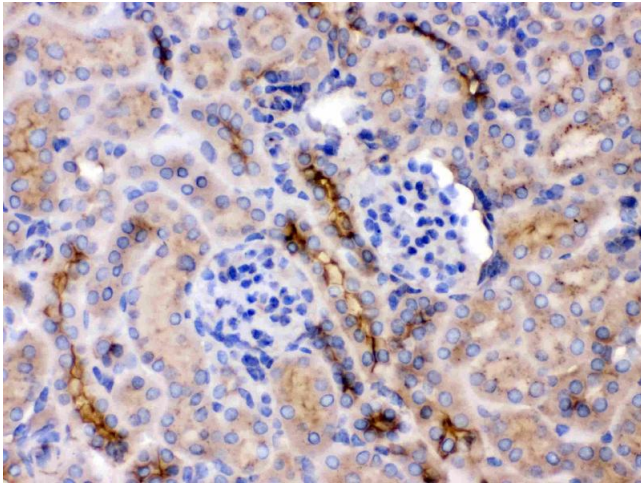
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



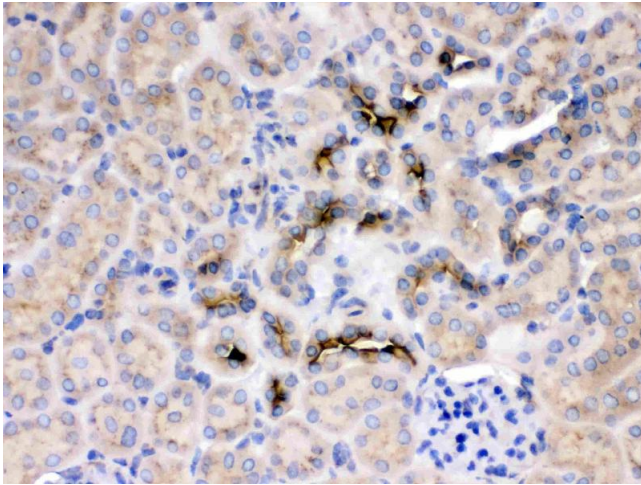
Immunohistochemistry

Image 1. GNB1 was detected in paraffin-embedded sections of human liver cancer tissues using rabbit anti-GNB1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. GNB1 was detected in paraffin-embedded sections of mouse kidney tissues using rabbit anti- GNB1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 3. GNB1 was detected in paraffin-embedded sections of rat kidney tissues using rabbit anti- GNB1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN4886607.