

Mouse GNG2 Monoclonal Antibody | anti-GNG2 antibody

Anti-GNG2 Antibody Picoband (monoclonal, 7C13)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126953	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Western Blot

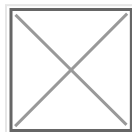
PRODUCT SYNONYMS

GNG2; Monoclonal Antibody; Anti-GNG2 Antibody Picoband (monoclonal; 7C13); anti-GNG2 antibody

PRODUCT SPECIFICATIONS

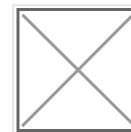
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Number	7C13
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-GNG2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human GNG2 recombinant protein (Position: A2-D48).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of GNG2 using anti-GNG2 antibody (AAA126953). GNG2 was detected in an immunocytochemical section of Caco-2 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL mouse anti-GNG2 Antibody (AAA126953) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Mouse IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of GNG2 using anti-GNG2 antibody (AAA126953). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-GNG2 antigen affinity purified monoclonal antibody (#AAA126953) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GNG2 at approximately 12 kDa. The expected band size for GNG2 is at 8 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GNG2 antibody	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2 is a protein that in humans is encoded by the GNG2 gene. This gene encodes one of the gamma subunits of a guanine nucleotide-binding protein. Such proteins are involved in signaling mechanisms across membranes. Various subunits forms heterodimers which then interact with the different signal molecules.
Product Categories/Family for anti-GNG2 antibody	Primary Antibodies, Mouse Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	344313196
NCBI GeneID	54331
NCBI Accession #	NP_001230702.1
NCBI GenBank Nucleotide #	NM_001243773.1
UniProt Accession #	P59768; Q5JPE2; Q6P9A9
Molecular Weight	7,850 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), gamma 2
NCBI Official Symbol	GNG2
NCBI Protein Information	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2; g gamma-I; guanine nucleotide binding protein gamma 2; guanine nucleotide-binding protein G(I)/G(O) gamma-2 subunit
UniProt Protein Name	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2
UniProt Gene Name	GNG2
UniProt Entry Name	GBG2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/gng2-antibody-clone-7c13-immunofluorescence-immunocytochemistry-western-blot-elisa/126953>