Datasheet for ABIN7599460

anti-GNG4 antibody (AA 1-52)

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Overview

Quantity:	100 µg
Target:	GNG4
Binding Specificity:	AA 1-52
Reactivity:	Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GNG4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-GNG4 Antibody Picoband® (monoclonal, 7B6)
Immunogen:	E.coli-derived human GNG4 recombinant protein (Position: M1-D52).
Clone:	7B6
Isotype:	IgG1
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-GNG4 Antibody Picoband® (monoclonal, 7B6) (ABIN7599460). Tested in WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	GNG4
Alternative Name:	GNG4 (GNG4 Products)
Background:	Synonyms: ATP synthase D chain mitochondrial antibody|ATP synthase H+ transporting mitochondrial F1F0 subunit antibody|ATP synthase H+ transporting mitochondrial F1F0 subunit d antibody|ATP synthase subunit d antibody|ATP synthase subunit d, mitochondrial antibody|ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d antibody|ATP5H antibody|ATP5H_HUMAN antibody|ATP5JD antibody|ATPase subunit d antibody|ATPQ antibody|mitochondrial antibody|My032 protein antibody Tissue Specificity: Ubiquitously expressed with highest levels in spleen, thymus and immature brain. Background: Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4 is a protein that in humans is encoded by the GNG4 gene. This gene encodes the gamma subunit of the heterotrimeric G-proteins that are comprised of alpha, beta and gamma subunits. Upon activation by G protein-coupled receptors, the beta-gamma heterodimer dissociates from the alpha subunit to activate downstream signaling events. Alternate splicing results in multiple transcript variants.
Molecular Weight:	12 kDa
Gene ID:	2786
UniProt:	P50150
Pathways:	Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat 1. Ahmad, W., Li, S., Chen, H., Tuck-Muller, C. M., Pittler, S. J., Aronson, N. N., Jr. Lysosomal chitobiase (CTB) and the G-protein gamma-5 subunit (GNG5) genes co-localize to human chromosome 1p22. Cytogenet. Cell Genet. 71: 44-46, 1995. 2. Gilman, A. G. G proteins: transducers of receptor-generated signals. Annu. Rev. Biochem. 56: 615-649, 1987. 3. Ray, K., Kunsch, C., Bonner, L. M., Robishaw, J. D. Isolation of cDNA clones encoding eight different human G protein gamma subunits, including three novel forms designated the gamma-4,

Application Details

	gamma-10, and gamma-11 subunits. J. Biol. Chem. 270: 21765-21771, 1995.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.