Datasheet for ABIN7599461

anti-GNG4 antibody (AA 1-52)

Go to Product page

Overview

Quantity:	100 µg
Target:	GNG4
Binding Specificity:	AA 1-52
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNG4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GNG4 Antibody Picoband®
Immunogen:	E.coli-derived human GNG4 recombinant protein (Position: M1-D52).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-GNG4 Antibody Picoband® (ABIN7599461). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human, 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	GNG4
Alternative Name:	GNG4 (GNG4 Products)
Background:	Synonyms: RNA-binding protein 47,RNA-binding motif protein 47,RBM47, Tissue Specificity: Abundantly expressed in tonsil, lymph node, and trachea, strong expression in prostate, lower expression in thyroid, stomach, and colon. . 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, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 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, gamma-10, and gamma-11 subunits. J. Biol. Chem. 270: 21765-21771, 1995.
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 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 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.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.