

Datasheet for ABIN7602267
anti-GNAI2 antibody (AA 67-312)



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Overview

Quantity:	100 µg
Target:	GNAI2
Binding Specificity:	AA 67-312
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAI2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GNAI2 Antibody Picoband®
Immunogen:	E.coli-derived human GNAI2 recombinant protein (Position: R67-N312). Human GNAI2 shares 97.6% and 98% amino acid (aa) sequence identity with mouse and rat GNAI2, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-GNAI2 Antibody Picoband® (ABIN7602267). Tested in WB, IHC, ICC/IF, Flow Cytometry, ELISA 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target:	GNAI2
Alternative Name:	GNAI2 (GNAI2 Products)
Background:	Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody Tissue Specificity: Expressed in all tissues. Background: Guanine nucleotide-binding protein G(i), alpha-2 subunit is a protein that in humans is encoded by the GNAI2 gene. The protein encoded by this gene is an alpha subunit of guanine nucleotide binding proteins (G proteins). The encoded protein contains the guanine nucleotide binding site and is involved in the hormonal regulation of adenylate cyclase. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	40 kDa
Gene ID:	2771
UniProt:	P04899
Pathways:	cAMP Metabolic Process , G-protein mediated Events , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human
	Immunohistochemistry, 2-5 µg/mL, Human, Mouse, Rat
	Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human
	Flow Cytometry (Fixed), 1-3 µg/1x10 ⁶ cells, Human
	ELISA, 0.1-0.5 µg/mL, -

Application Details

1. Blatt, C., Eversole-Cire, P., Cohn, V. H., Zollman, S., Fournier, R. E. K., Mohandas, L. T., Nesbitt, M., Lugo, T., Jones, D. T., Reed, R. R., Weiner, L. P., Sparkes, R. S., Simon, M. I. Chromosomal localization of genes encoding guanine nucleotide-binding protein subunits in mouse and human. *Proc. Nat. Acad. Sci.* 85: 7642-7646, 1988. 2. Hermouet, S., Merendino, J. J., Jr., Gutkind, J. S., Spiegel, A. M. Activating and inactivating mutations of the alpha subunit of G(i2) protein have opposite effects on proliferation of NIH 3T3 cells. *Proc. Nat. Acad. Sci.* 88: 10455-10459, 1991. 3. Itoh, H., Toyama, R., Kozasa, T., Tsukamoto, T., Matsuoka, M., Kaziro, Y. Presence of three distinct molecular species of G(i) protein alpha subunit: structure of rat cDNAs and human genomic DNAs. *J. Biol. Chem.* 263: 6656-6664, 1988.

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, 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.