Datasheet for ABIN7654741

anti-GNAQ antibody (Biotin)

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Overview

Quantity:	100 µL
Target:	GNAQ
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GNAQ antibody is conjugated to Biotin
Application:	Please inquire

Product Details

Purpose:	Guanine nucleotide-binding protein alpha-q / GNAQ / G-ALPHA-q(GNAQ/2434), Biotin conjugate
Immunogen:	Recombinant full-length human GNAQ protein
Clone:	GNAQ-2434
Isotype:	IgG2b, kappa
Characteristics:	GNAQis 359 amino acids long and is identical in all but 1 amino acid residue to the mouse protein. Analysis of human genomic DNA revealed an intronless sequence with strong homology to human GNAQ cDNA. In comparison to GNAQ cDNA, this genomic DNA sequence included several small deletions and insertions that altered the reading frame, multiple single based changes, and a premature termination codon in the open reading frame, all hallmarks of a processed pseudogene. Probes derived from human GNAQ cDNA sequence mapped both chromosomes 2 and 9 in higher constringency genomic blot analyses of DNA from a panel of human/rodent hybrid cell lines. Primary antibodies are available purified, or with a selection of

Product Details

	fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	GNAQ
Alternative Name:	G-Alpha-q
Background:	Synonyms: CMC1, G alpha Q, G protein alpha Q, GAQ, guanine nucleotide binding protein (G protein), q polypeptide, Guanine nucleotide-binding protein G(q) subunit alpha, SWS Gene Symbol: GNAQ
Molecular Weight:	45 kDa
Gene ID:	2776
UniProt:	P50148
Pathways:	JAK-STAT Signaling, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µLfor flow cytometry
Comment:	Positive Control: HL-60, MOLT-4 and MCF-7 cells. Predominantly expressed in ovary, prostate, testis and colon.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months