

Guanine nucleotide-binding protein alpha-q / GNAQ / G-ALPHA-q Antibody

Mouse Monoclonal Antibody [Clone GNAQ/2434]

Catalog No	Format	Size
2776-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2776-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2776-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

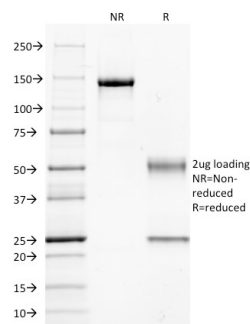
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	GNAQ/2434
Gene Name	GNAQ
Immunogen	Recombinant full-length human GNAQ protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	45kDa
Cellular Localization	Cell membrane, Golgi apparatus, Nucleus, Nucleus membrane
Species Reactivity	Human
Positive Control	HL-60, MOLT-4 and MCF-7 cells. Predominantly expressed in ovary, prostate, testis and colon.

*Optimal dilution for a specific application should be determined.

Product Images for Guanine nucleotide-binding protein alpha-q / GNAQ / G-ALPHA-q Antibody



SDS-PAGE Analysis of Purified GNAQ Mouse Monoclonal Antibody (GNAQ/2434). Confirmation of Integrity and Purity of the Antibody.

Specificity & Comments

GNAQ is 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 stringency genomic blot analyses of DNA from a panel of human/rodent hybrid cell lines.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Neuroscience, Nuclear Marker, Signal Transduction