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## anti-GNAQ antibody





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Quantity:	100 μg
Target:	GNAQ
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GNAQ antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Coating (Coat)

#### **Product Details**

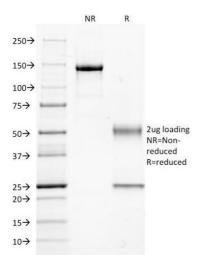
Immunogen:	Recombinant full-length human GNAQ protein	
Clone:	GNAQ-2434	
Isotype:	IgG2b kappa	
Purification:	Purified by Protein A/G	

## Target Details

Target:	GNAQ
Alternative Name:	GNAQ (GNAQ Products)
Background:	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

## Target Details

Target Details		
	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.	
Molecular Weight:	45kDa	
Gene ID:	2776	
UniProt:	P50148	
Pathways:	JAK-STAT Signaling, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction	
Application Details		
Application Notes:	Positive Control: HL-60, MOLT-4 and MCF-7 cells. Predominantly expressed in ovary, prostate,	
	testis and colon.	
	Known Application: ELISA (For coating, order Ab without BSA), Flow Cytometry (0.5-1 µg/million	
	cells), Immunofluorescence (0.5-1 $\mu g/mL$ ), Optimal dilution for a specific application should be	
	determined.	
Restrictions:	For Research Use only	
Handling		
Concentration:	200 μg/mL	
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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,-80 °C	
Storage Comment:	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.	
Expiry Date:	24 months	



#### **SDS-PAGE**

**Image 1.** SDS-PAGE Analysis Purified GNAQ Mouse Monoclonal Antibody (GNAQ/2434). Confirmation of Integrity and Purity of the Antibody.