

Anti-GNAQ Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow, Horse, Rabbit)
Molecular Weight:	Theoretical: 42 kDa. Actual: 42 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Ovary (Mouse) Lysate at 40 µg
	Primary: Anti-GNAQ (TMAB-06603) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 42 kD
	Observed band size: 42 kD
	2. Sample: Uterus (Mouse) Lysate at 40 µg
	Primary: Anti-GNAQ (TMAB-06603) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 42 kD
Observed band size: 42 kD	3. Sample: SY5Y (Human) Cell Lysate at 30 µg
	Primary: Anti-GNAQ (TMAB-06603) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 42 kD	
Observed band size: 42 kD	
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GNAQ
Antigen Species:	Human
Gene ID:	2776
Uniprot ID:	P50148

Research Background

GNAQ belong to the family of heterotrimeric Guanine nucleotide-binding proteins proteins that couple cell surface, 7-transmembrane domain receptors to intracellular signaling pathways. Receptor activation catalyzes the exchange of GTP for GDP bound to the inactive G protein alpha subunit resulting in a conformational change and dissociation of the complex. GNAQ is the alpha subunit of one of the heterotrimeric GTP-binding proteins that mediates

stimulation of phospholipase C-beta. In recent studies over expression of GNAQ is associated with cardiomyocyte apoptosis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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