GNAZ Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GNAZ, Polyclonal Antibody
Full Product Name	GNAZ Rabbit pAb
Product Gene Name	anti-GNAZ antibody
Product Synonym Names	gz-alpha
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	37kDa
OMIM	139160
3D Structure	ModBase 3D Structure for P19086
Immunogen	Recombinant protein of human GNAZ
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GNAZ antibody	Western Blot (WB)
Application Notes for anti-GNAZ antibody	WB: 1:500-1:2000
Related Product Information for anti-GNAZ antibody	MBS8549289 is an antibody targeting GNAZ. Also known as GNAZ Rabbit pAb. Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-GNAZ antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNAZ. It may not necessarily be applicable to this product.

NCBI GI #	121005
NCBI GeneID	2781
NCBI Accession #	P19086.3
UniProt Primary Accession #	P19086
UniProt Related Accession #	P19086
NCBI Official Full Name	Guanine nucleotide-binding protein G(z) subunit alpha

NCBI Official Synonym Full Names	G protein subunit alpha z
NCBI Official Symbol	GNAZ
NCBI Official Synonym Symbols	gz-alpha
UniProt Protein Name	Guanine nucleotide-binding protein G(z) subunit alpha
UniProt Synonym Protein Names	G(x) alpha chain; Gz-alpha
UniProt Gene Name	GNAZ
UniProt Entry Name	GNAZ_HUMAN
NCBI Protein Information	guanine nucleotide-binding protein G(z) subunit alpha
NCBI Summary for GNAZ	The protein encoded by this gene is a member of a G protein subfamily that mediates signal transduction in pertussis toxin-insensitive systms. This encoded protein may play a role in maintaining the ionic balance of perilymphatic and endolymphatic cochlear fluids. [provided by RefSeq, Jul 2008]
UniProt Comments for GNAZ	G-alpha(z): Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. Belongs to the G-alpha family. G(i/o/t/z) subfamily. Protein type: Nuclear envelope; Endoplasmic reticulum; G protein, heterotrimeric; G protein, heterotrimeric alpha G((i/o/t/z)) Chromosomal Location of Human Ortholog: 22q11.22 Cellular Component: endoplasmic reticulum; plasma membrane; heterotrimeric G-protein complex; nuclear envelope; cytosol Molecular Function: GTPase activity; signal transducer activity; GTP binding; metal ion binding; G-protein beta/gamma-subunit binding; receptor signaling protein activity; metabotropic serotonin receptor binding Biological Process: G-protein signaling, coupled to cAMP nucleotide second messenger; G-protein coupled receptor protein signaling pathway; metabolic process; G-protein signaling, adenylate cyclase inhibiting pathway
Research Articles on GNAZ	**1.** Low GNAZ expression is associated with 22q11.2 deletion syndrome.
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