GNAZ Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GNAZ, Polyclonal Antibody
Full Product Name	GNAZ Antibody
Product Gene Name	anti-GNAZ antibody
Product Synonym Names	guanine nucleotide binding protein (G protein); alpha z polypeptide
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Specificity	The antibody detects endogenous level of total GNAZ protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	355
OMIM	139160
3D Structure	ModBase 3D Structure for P19086
Immunogen	Synthetic peptide corresponding to a region derived from 4-18 amino acids of Human guanine nucleotide binding protein (G protein), alpha z polypeptide
Product Categories/Family for anti-GNAZ antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GNAZ antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-GNAZ antibody	ELISA: 1:1000-1:5000 WB: 1:500-1:1000
Related Product Information for anti-GNAZ antibody	Guanine nucleotide-binding protein G (z) subunit alpha is a protein that in humans is encoded by the GNAZ gene. The protein encoded by this gene is a member of a G protein subfamily that mediates signal transduction in pertussis toxin-insensitive systems. This encoded protein may play a role in maintaining the ionic balance of perilymphatic and endolymphatic cochlear fluids. GNAZ has been shown to interact with EYA2, RGS20 and RGS19
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.
Searchable Terms for GNAZ purchase	MBS8586571 is an antibody targeting GNAZ. Also known as GNAZ Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

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 Secondary Accession #	Q4QRJ6; B2R6C1
UniProt Related Accession #	P19086
NCBI Official Full Name	Guanine nucleotide-binding protein G(z) subunit alpha
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), alpha z polypeptide
NCBI Official Symbol	GNAZ
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; guanine nucleotide-binding protein G(z) subunit alpha; gz-alpha; g(x) alpha chain; transducin 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.** GNAZ mutations are associated with melanoma.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/gnaz/8586571