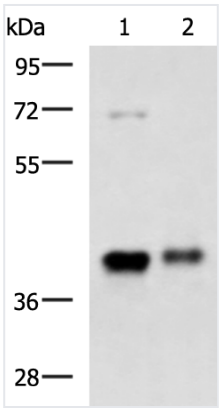
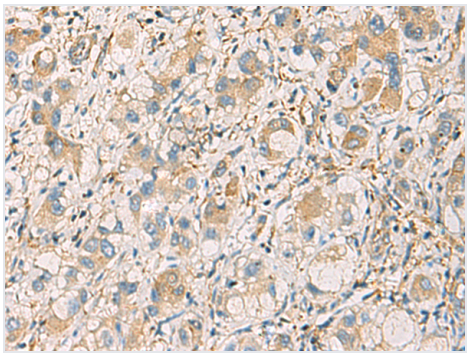
GNAZ Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GNAZ, Polyclonal Antibody
Full Product Name	GNAZ Polyclonal Antibody
Product Gene Name	anti-GNAZ antibody
Product Synonym Names	G(x) alpha chain; GNAZ; GNAZ; Guanine nucleotide binding protein (G protein) alpha z polypeptide; Guanine nucleotide binding protein G(z) alpha subunit G(x) alpha chain; Guanine nucleotide binding protein G(z) subunit alpha; Guanine nucleotide-binding protein G(z) subunit alpha; Gz alpha; Gz-alpha; Human Gx alpha gene; Transducin alpha
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Purity/Purification	Antigen Affinity Purification
Concentration	1.26mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	41 kDa
OMIM	139160
3D Structure	ModBase 3D Structure for P19086
Immunogen	Fusion protein of human GNAZ
Conjugation	Unconjugated
Product Categories/Family for anti-GNAZ antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GNAZ antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-GNAZ antibody	WB: 1:1000-1:5000 IHC: 1:50-1:200 ELISA: 1:5000-1:10000
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 GNAZgene. 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	MBS2560117 is an antibody targeting GNAZ. Also known as GNAZ Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-GNAZ antibody
Western blot analysis of Mouse brain tissue and Human fetal brain tissue lysates using GNAZ Polyclonal Antibody at dilution of 1:1300



Immunohistochemistry (IHC) of anti-GNAZ antibody
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using GNAZ Polyclonal Antibody at dilution of 1:70(×200)

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
NCBI Related Accession #	BC026342
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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