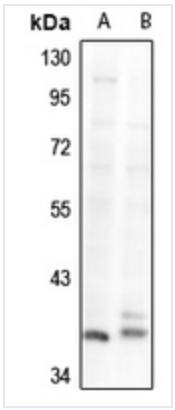
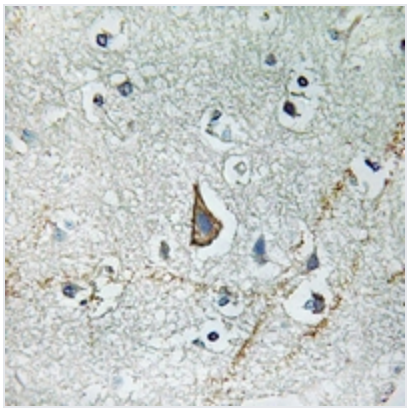
GNAZ Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GNAZ, Polyclonal Antibody
Full Product Name	Anti-GNAZ Antibody
Product Gene Name	anti-GNAZ antibody
Product Synonym Names	Guanine nucleotide-binding protein G(z) subunit alpha; G(x) alpha chain; Gz-alpha
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of GNAZ protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	355
OMIM	139160
3D Structure	ModBase 3D Structure for P19086
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GNAZ. The exact sequence is proprietary.
Applications Tested/Suitable for anti-GNAZ antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-GNAZ antibody	WB: 1:500-1:1000 IHC: 1:50-1:200
Related Product Information for anti-GNAZ antibody	MBS8305699 is an antibody targeting GNAZ. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to GNAZ
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.



Western Blot (WB) of anti-GNAZ antibody
Western blot analysis of GNAZ expression in Panc1 (A), SGC7901 (B) whole cell lysates.



Immunohistochemistry (IHC) of anti-GNAZ antibody
Immunohistochemical analysis of GNAZ staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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 #	O70443; P19627
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.
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