GNA11 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GNA11, Polyclonal Antibody
Full Product Name	GNA11 Rabbit pAb
Product Gene Name	anti-GNA11 antibody
Product Synonym Names	FBH; FBH2; FHH2; HHC2; GNA-11; HYPOC2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
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	39kDa
OMIM	phenotype 615361
3D Structure	ModBase 3D Structure for P29992
Immunogen	Recombinant protein of human GNA11
Cellular Localization	Cell Membrane, Cytoplasm, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GNA11 antibody	Western Blot (WB)
Application Notes for anti-GNA11 antibody	WB: 1:500-1:2000
Related Product Information for anti-GNA11 antibody	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Acts as an activator of phospholipase C.
Other Notes	Small volumes of anti-GNA11 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 GNA11 purchase	MBS8545047 is an antibody targeting GNA11. Also known as GNA11 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNA11. It may not necessarily be applicable to this product.

NCBI GI #	3041682
NCBI GeneID	2767
NCBI Accession #	P29992.2

UniProt Primary Accession #	P29992
UniProt Related Accession #	P29992
NCBI Official Full Name	Guanine nucleotide-binding protein subunit alpha-11
NCBI Official Synonym Full Names	G protein subunit alpha 11
NCBI Official Symbol	GNA11
NCBI Official Synonym Symbols	FBH; FBH2; FHH2; HHC2; GNA-11; HYPOC2
UniProt Protein Name	Guanine nucleotide-binding protein subunit alpha-11
UniProt Synonym Protein Names	Guanine nucleotide-binding protein G(y) subunit alpha
Protein Family	Guanine nucleotide-binding protein
UniProt Gene Name	GNA11
UniProt Synonym Gene Names	GA11; G alpha-11; G-protein subunit alpha-11
UniProt Entry Name	GNA11_HUMAN
NCBI Protein Information	guanine nucleotide-binding protein subunit alpha-11
NCBI Summary for GNA11	The protein encoded by this gene belongs to the family of guanine nucleotide-binding proteins (G proteins), which function as modulators or transducers in various transmembrane signaling systems. G proteins are composed of 3 units: alpha, beta and gamma. This gene encodes one of the alpha subunits (subunit alpha-11). Mutations in this gene have been associated with hypocalciuric hypercalcemia type II (HHC2) and hypocalcemia dominant 2 (HYPOC2). Patients with HHC2 and HYPOC2 exhibit decreased or increased sensitivity, respectively, to changes in extracellular calcium concentrations. [provided by RefSeq, Dec 2013]
UniProt Comments for GNA11	G-alpha 11: a guanine nucleotide-binding protein of the G-alpha family. Acts as an activator of phospholipase C. Involved in signaling of gonadotropin-releasing hormone receptor, negatively regulating cell growth. Down-regulation may be involved in human breast cancers. Heterotrimeric G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. Protein type: G protein, heterotrimeric; G protein; G protein, heterotrimeric alpha G(q) Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: lysosomal membrane; cytoplasm; plasma membrane; heterotrimeric G-protein complex Molecular Function: GTPase activity; signal transducer activity; GTP binding; type 2A serotonin receptor binding; metal ion binding; G-protein beta/gamma-subunit binding Biological Process: G-protein signaling, coupled to cAMP nucleotide second messenger; regulation of action potential; platelet activation; metabolic process; heart development; pigmentation during development; dopamine receptor, phospholipase C activating pathway; signal transduction; blood coagulation; skeletal development; regulation of melanocyte differentiation Disease: Hypocalciuric Hypercalcemia, Familial, Type Ii
Research Articles on GNA11	**1.** the induction of luteal Akr1c18 by Galphaq/11 is mediated by the activation of phospholipase C.
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