

Product datasheet

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ARG58918 anti-GNA11 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes GNA11

Tested Reactivity Hu

Predict Reactivity Ms, Rat, Bov, Pig

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name GNA11
Species Human

Immunogen KLH-conjugated synthetic peptide corresponding to aa. 1-30 of Human GNA11.

Conjugation Un-conjugated

Alternate Names FHH2; GNA-11; Guanine nucleotide-binding protein G; Guanine nucleotide-binding protein subunit

alpha-11; HHC2; G alpha-11; HYPOC2; y; G-protein subunit alpha-11; FBH; FBH2

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A2058	

Properties

Form Liquid

Purification Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide.

Preservative 0.09% (W/V) Sodium azide.

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol GNA11

Gene Full Name guanine nucleotide binding protein (G protein), alpha 11 (Gq class)

Background 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]

Function Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various

transmembrane signaling systems. Acts as an activator of phospholipase C. [UniProt]

Calculated Mw 42 kDa

PTM (Microbial infection) Deamidated at Gln-209 by Photorhabdus asymbiotica toxin PAU_02230, blocking

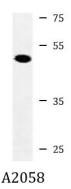
GTP hydrolysis of heterotrimeric GNAQ or GNA11 and G-alphai (GNAI1, GNAI2 or GNAI3) proteins,

thereby activating RhoA. [UniProt]

Cell membrane; Lipid-anchor. Cytoplasm. Note=In testicular cells, expressed exclusively in the

cytoplasm. [UniProt]

Images



ARG58918 anti-GNA11 antibody WB image

Western blot: 35 μg of A2058 cell lysate stained with ARG58918 anti-GNA11 antibody.