

Rabbit GNAS Polyclonal Antibody | anti-GNAS antibody

GNAS Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284769	Rabbit	Human (Predicted Reactivity: Mouse, Rat, Bovine, Hamster, Pig)	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

GNAS; Polyclonal Antibody; GNAS Antibody (C-term); anti-GNAS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat, Bovine, Hamster, Pig)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This GNAS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-315 amino acids from the C-terminal region of human GNAS.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	287-315
Sequence Length	380
Applicable Applications for anti-GNAS antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Cellular Location	Cell membrane {ECO:0000256 ARBA:ARBA00004193}; Lipid-anchor {ECO:0000256 ARBA:ARBA00004193}. Membrane {ECO:0000256 ARBA:ARBA00004635}; Lipid-anchor {ECO:0000256 ARBA:ARBA00004635}
Function	Guanine nucleotide-binding proteins (G proteins) function as transducers in numerous signaling pathways controlled by G protein- coupled receptors (GPCRs).
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GNAS Antibody (C-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of GNAS Antibody (C-term) with 293 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



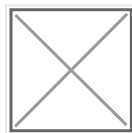
IHC (Immunohistochemistry)

GNAS Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GNAS Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

GNAS Antibody (C-term) western blot analysis in 293, NCI-H292 cell line lysates (35ug/lane). This demonstrates the GNAS antibody detected the GNAS protein (arrow).



WB (Western Blot)

Western blot analysis of GNAS (arrow) using rabbit polyclonal GNAS Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GNAS gene.

ADDITIONAL INFORMATION

Related Product Information for anti-GNAS antibody

Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The Gs protein is involved in hormonal regulation of adenylate cyclase: it activates the cyclase in response to beta-adrenergic stimuli. Alternative splicing of downstream exons of the GNAS gene is observed, which results in different forms of the stimulatory G protein alpha subunit, a key element of the classical signal transduction pathway linking receptor-ligand interactions with the activation of adenylyl cyclase and a variety of cellular responses. Multiple transcript variants have been found for this gene, but the full-length nature and/or biological validity of some variants have not been determined. Mutations in this gene result in pseudohypoparathyroidism type 1a, pseudohypoparathyroidism type 1b, Albright hereditary osteodystrophy, pseudopseudohypoparathyroidism, McCune-Albright syndrome, progressive osseous heteroplasia, polyostotic fibrous dysplasia of bone, and some pituitary tumors.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74736106
UniProt Accession #	Q5FWY2
NCBI Official Full Name	GNAS protein
UniProt Protein Name	GNAS complex locus
UniProt Gene Name	GNAS
UniProt Entry Name	Q5FWY2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gnas-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/284769>