

Rabbit GNAS Polyclonal Antibody | anti-GNAS antibody

GNAS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327089	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

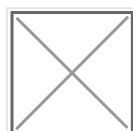
PRODUCT SYNONYMS

GNAS; Polyclonal Antibody; GNAS Antibody; Adenylate cyclase stimulating G alpha protein; AHO; Alternative gene product encoded by XL exon; C20orf45; dJ309F20.1.1; dJ806M20.3.3; Extra large alphas protein; GNAS complex locus; GNAS1; GPSA; Gs alpha subunit; GSA; GSP; Guanine nucleotide binding protein (G protein) alpha stimulating activity polypeptide 1; Guanine nucleotide binding protein alpha stimulating activity polypeptide 1; Guanine nucleotide binding protein G(s) subunit alpha isoforms short; Guanine nucleotide binding protein G(s) subunit alpha isoforms XLas; Guanine nucleotide regulatory protein; MGC33735; NESP; NESP55; Neuroendocrine secretory protein; PHP1A; PHP1B; PHP1C; POH; Protein ALEX; Protein GNAS; Protein NESP55; SCG6; Secretogranin VI; XLalphas; XLas; anti-GNAS antibody

PRODUCT SPECIFICATIONS

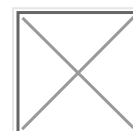
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GNAS antibody detects endogenous levels of total GNAS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	626
Applicable Applications for anti-GNAS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GNAS
Subcellular Location	Plasma Membrane
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327089 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of Jurkat whole cell lysates, using GNAS Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GNAS antibody	Description: This locus has a highly complex imprinted expression pattern. It gives rise to maternally, paternally, and biallelically expressed transcripts that are derived from four alternative promoters and 5' exons. Some transcripts contain a differentially methylated region (DMR) at their 5' exons, and this DMR is commonly found in imprinted genes and correlates with transcript expression. An antisense transcript is produced from an overlapping locus on the opposite strand. One of the transcripts produced from this locus, and the antisense transcript, are paternally expressed noncoding RNAs, and may regulate imprinting in this region. In addition, one of the transcripts contains a second overlapping ORF, which encodes a structurally unrelated protein-Alex. Alternative splicing of downstream exons is also 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 reponses. Multiple transcript variants encoding different isoforms have been found for this gene. Mutations in this gene result in pseudohypoparathyroidism type 1a, pseudohypoparathyroidism type 1b, Albright hereditary osteodystrophy, pseudopseudohypoparathyroidism, McCune-Albright syndrome, progressive osseus heteroplasia, polyostotic fibrous dysplasia of bone, and some pituitary tumors. Function: May inhibit the adenylyl cyclase-stimulating activity of guanine nucleotide-binding protein G(s) subunit alpha which is produced from the same locus in a different open reading frame. Subunit Structure: Interacts with the N-terminal region of the XLas isoforms of guanine nucleotide-binding protein G(s) subunit alpha. Similarity: Belongs to the ALEX family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117938768
NCBI GeneID	2778
NCBI Accession #	NP_001070958.1
NCBI GenBank Nucleotide #	NM_001077490.2
UniProt Accession #	P84996; A2A2S4; O95467; P63092; Q5JWF2
Molecular Weight	Observed: 67 kDa Predicted: 68 kDa
NCBI Official Full Name	protein ALEX isoform Alex
NCBI Official Synonym Full Names	GNAS complex locus
NCBI Official Symbol	GNAS
NCBI Official Synonym Symbols	AHO; GSA; GSP; POH; GPSA; NESP; SCG6; SgVI; GNAS1; PITA3; C20orf45
NCBI Protein Information	protein ALEX; protein GNAS; protein SCG6 (secretogranin VI)
UniProt Protein Name	Protein ALEX
UniProt Gene Name	GNAS

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-immunohistochemistry-western-blot-elisa/327089>