

Rabbit G protein alpha S/GNAS Polyclonal Antibody | anti-GNAS antibody

Anti-G protein alpha S/GNAS Antibody, Rabbit Polyclonal

CATALOG # AAA254358	HOST Rabbit	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

G protein alpha S/GNAS; Polyclonal Antibody; Anti-G protein alpha S/GNAS Antibody; Rabbit Polyclonal; GNAS Antibody; Rabbit PAb; Antigen Affinity Purified; GNAS complex locus; Anti-AHO Antibody; Anti-C20orf45 Antibody; Anti-GNAS1 Antibody; Anti-GPSA Antibody; Anti-GSA Antibody; Anti-GSP Antibody; Anti-NESP Antibody; Anti-PHP1A Antibody; Anti-PHP1B Antibody; Anti-PHP1C Antibody; Anti-POH Antibody; Anti-SgVI Antibody; anti-GNAS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GNAS
Purity/Purification	Antigen Affinity Chromatography
Form/Format	0.2um filtered solution in PBS
Applicable Applications for anti-GNAS antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human GNAS
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human GNAS, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. Sodium Azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly.

IMAGES



WB (Western Blot)

Anti-GNAS rabbit polyclonal antibody at 1:500 dilution. Lane A: MCF7 Membrane Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 46 kDa. Observed band size: 55 kDa.



IP (Immunoprecipitation)

GNAS was immunoprecipitated using: Lane A: 0.5 mg MCF-7 Whole Cell Lysate. 2 uL anti-GNAS rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein G. Primary antibody: Anti-GNAS rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:500 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 46 kDa. Observed band size: 46 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GNAS antibody	GNAS (GNAS Complex Locus) is a Protein Coding gene. GNAS is a complex imprinted gene encoding the alpha-subunit of the stimulatory heterotrimeric G protein (Gs alpha), which belongs to the G-alpha family. Inactivating mutations in Gsalpha-coding GNAS exons are responsible for Albright's hereditary osteodystrophy (AHO), which refers to a constellation of physical and developmental disorders including obesity, short stature, brachydactyly, cognitive impairment, and heterotopic ossification. GNAS mediates receptor-stimulated cAMP signaling, which integrates diverse environmental cues with intracellular responses. GNAS mutations have been described in mucinous and non-mucinous epithelial neoplasms of the appendix, pancreas, and colon, with hotspot GNAS mutations found in up to two-thirds of pancreatic intraductal papillary mucinous neoplasms.
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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	67,948 Da
NCBI Official Full Name	protein ALEX 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/g-protein-alpha-s-gnas-antibody-immunoprecipitation-western-blot-elisa/254358>