

Rabbit GNAS Polyclonal Antibody | anti-GNAS antibody

GNAS antibody - N-terminal region

CATALOG # AAA23504	HOST Rabbit	REACTIVITY Cow, Human, Mouse, Pig, Rabbit, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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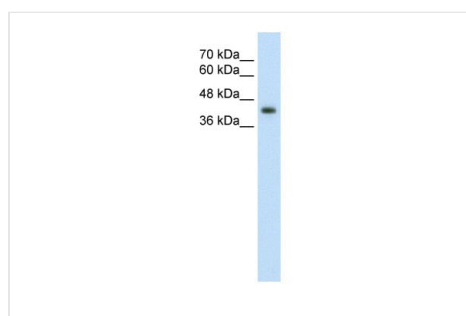
PRODUCT SYNONYMS

GNAS; Polyclonal Antibody; GNAS antibody - N-terminal region; anti-GNAS antibody

PRODUCT SPECIFICATIONS

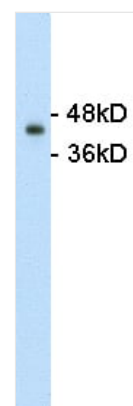
Host	Rabbit
Reactivity	Cow, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: SG KSTIVKQMRI LHVNGFNGDS EKATKVQDIK>NNLKEAIIETI VAAMSNLV
Sequence Length	380
Applicable Applications for anti-GNAS antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GNAS
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



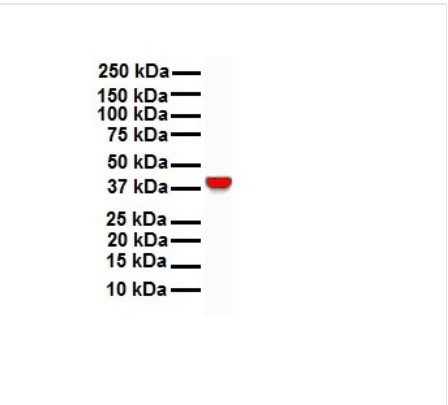
WB (Western Blot)

WB Suggested Anti-GNAS Antibody Titration: 2.5ug/ml
Positive Control: Jurkat cell lysate
There is BioGPS gene expression data showing that GNAS is expressed in Jurkat

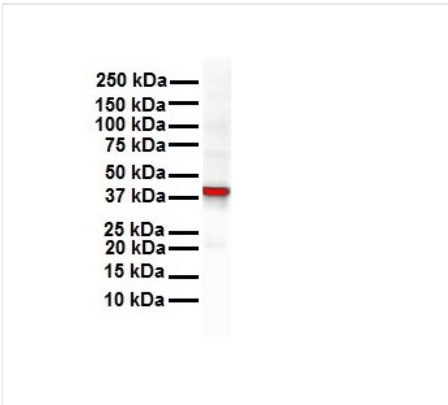


WB (Western Blot)

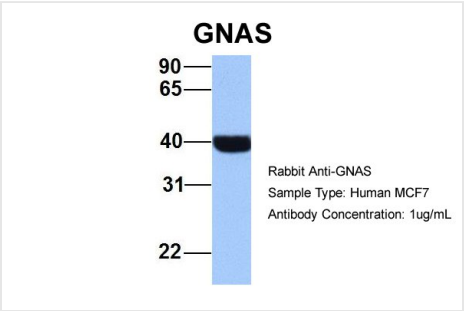
WB Suggested Anti-GNAS Antibody Titration: 1ug/mL
Positive Control: HepG2 lysate
There is BioGPS gene expression data showing that GNAS is expressed in HepG2



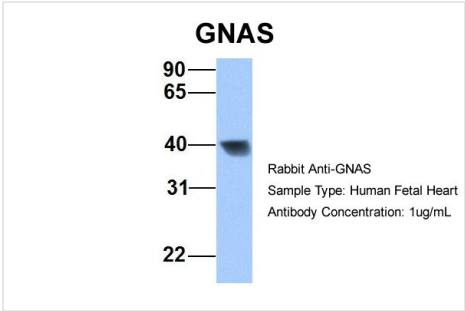
WB (Western Blot)
WB Suggested Anti-GNAS antibody Titration: 1 ug/mL Sample Type: Human MCF7



WB (Western Blot)
WB Suggested Anti-GNAS antibody Titration: 1 ug/mL Sample Type: Human Jurkat



WB (Western Blot)
Host: Rabbit Target Name: NOP56 Sample Type: MCF7 Antibody Dilution: 1.0ug/ml GNAS is strongly supported by BioGPS gene expression data to be expressed in Human MCF7 cells



WB (Western Blot)
Host: Rabbit Target Name: GNAS Sample Type: Human Fetal Heart Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-GNAS antibody	This is a rabbit polyclonal antibody against GNAS. It was validated on Western Blot and immunohistochemistry Target Description: Mutations in GNAS 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. This gene has a highly complex imprinted expression pattern. It encodes maternally, paternally, and biallelically expressed proteins which are derived from alternatively spliced transcripts with alternate 5' exons. Each of the upstream exons is within a differentially methylated region, commonly found in imprinted genes. However, the close proximity (14 kb) of two oppositely expressed promoter regions is unusual. In addition, one of the alternate 5' exons introduces a frameshift relative to the other transcripts, resulting in one isoform which is structurally unrelated to the others. An antisense transcript exists, and may regulate imprinting in this region. Mutations in this gene result in pseudohypoparathyroidism type 1a (PHP1a), which has an atypical autosomal dominant inheritance pattern requiring maternal transmission for full penetrance. There are RefSeqs representing four transcript variants of this gene. Other transcript variants including four additional exons have been described; however, their full length sequences have not been determined.
Product Categories/Family for anti-GNAS antibody	Polyclonal; Lymphocyte Signaling; Drugs and Drug Metabolism; Disease Related; Immunohistochemistry; GPCR ; Methylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	18426900
NCBI GeneID	2778
NCBI Accession #	NP_536351
NCBI GenBank Nucleotide #	NM_080426
UniProt Accession #	Q5FWY2; O95467; P63092; P84996; Q5JWF2

Molecular Weight	42kDa
NCBI Official Full Name	protein GNAS isoform GNASS
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	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://www.aaabiotech.com/polyclonal/gnas-antibody-immunohistochemistry-western-blot-elisa/23504>