

Product datasheet for TA308889

G protein alpha S (GNAS) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies Applications: IHC, WB Recommended Dilution: IHC:1:100-1:1000; WB:1:500-1:3000 **Reactivity:** Human, Mouse (Predicted: Rat, Dog, Pig, Bovine) Host: Rabbit Isotype: lgG **Clonality:** Polyclonal Immunogen: Recombinant fragment corresponding to a region within amino acids 716 and 998 of GNAS (Uniprot ID#Q5|WF2) Formulation: 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative. **Purification:** Purified by antigen-affinity chromatography. Unconjugated **Conjugation:** Store at -20°C as received. Storage: Stability: Stable for 12 months from date of receipt. **Predicted Protein Size:** 111 kDa Gene Name: **GNAS** complex locus Database Link: NP 000507 Entrez Gene 14683 MouseEntrez Gene 24896 RatEntrez Gene 403943 DogEntrez Gene 2778 Human P84996



View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

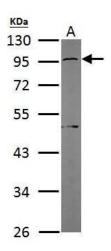
OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

G protein alpha S (GNAS) Rabbit Polyclonal Antibody – TA308889

Background:	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 contains 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. [provided by RefSeq]
Synonyms:	AHO; C20orf45; GNAS1; GPSA; GSA; GSP; NESP; PHP1A; PHP1B; PHP1C; POH; SgVI
Note:	Seq homology of immunogen across species: Rat (100%), Dog (100%), Pig (100%), Bovine (100%)
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Calcium signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Long-term depression, Melanogenesis, Taste transduction, Vascular smooth muscle contraction, Vibrio cholerae infection

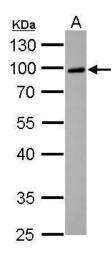
Product images:



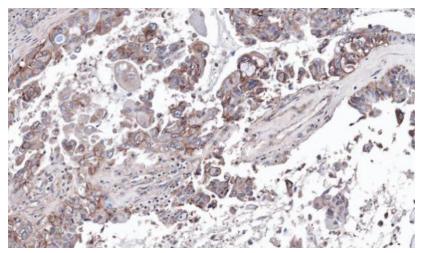
Sample (50 ug of whole cell lysate). A: Mouse brain. 10% SDS PAGE. TA308889 diluted at 1:1000.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US





GNAS antibody [C2C3], C-term detects GNAS protein by Western blot analysis. A. 30 ug IMR32 whole cell lysate/extract. 10 % SDS-PAGE. GNAS antibody [C2C3], C-term (TA308889) dilution: 1:500.



Immunohistochemical analysis of paraffinembedded OVCA, using GNAS (TA308889) antibody at 1:100 dilution.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US