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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

GNAS monoclonal antibody, clone 2A2B7

Catalog Number: MAB16694

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against recombinant human GNAS.

Clone Name: 2A2B7

Immunogen: Recombinant protein corresponding to amino acid 42-188 of human GNAS from *E. coli*.

Host: Mouse

Theoretical MW (kDa): 68

Reactivity: Human

Applications: ELISA, Flow Cyt, IHC-P, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Isotype: IgG2a

Recommend Usage: ELISA (1:10000)

Western Blot (1:500-1:2000)

Immunohistochemistry (1:200-1:1000)

Immunocytochemistry

Flow Cytometry (1:200-1:400)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.05% sodium azide).

Storage Instruction: Store at 4°C. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2778

Gene Symbol: GNAS

Gene Alias: AHO, C20orf45, GNAS1, GPSA, GSA, GSP, MGC33735, NESP, PHP1A, PHP1B, POH, dJ309F20.1.1, dJ806M20.3.3

Gene Summary: 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 responses. 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 osseous heteroplasia, polyostotic fibrous dysplasia of bone, and some pituitary tumors. [provided by RefSeq]