

**GNAS Antibody (Ascites)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2129a****Specification**

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**GNAS Antibody (Ascites) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q5FWY2</a>
Other Accession	<a href="#">P29797</a> , <a href="#">Q8R4A8</a> , <a href="#">P63095</a> , <a href="#">P63094</a> , <a href="#">P63092</a> , <a href="#">P04896</a> , <a href="#">Q63803</a> , <a href="#">Q6R0H7</a> , <a href="#">Q5JWF2</a>
Reactivity	Mouse
Predicted	Human, Rat, Bovine, Hamster, Pig
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Calculated MW	44250
Antigen Region	287-315

**GNAS Antibody (Ascites) - Additional Information****Gene ID** 2778**Other Names**

GNAS complex locus;GNAS;

**Target/Specificity**

This GNAS antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 287-315 amino acids from human GNAS.

**Dilution**

WB~~1:300

**Format**

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GNAS Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

**GNAS Antibody (Ascites) - Protein Information****Name** GNAS {ECO:0000313|EMBL:AAH89157.2}**Function** Guanine nucleotide-binding proteins (G proteins) function as transducers in numerous

signaling pathways controlled by G protein- coupled receptors (GPCRs).

#### Cellular Location

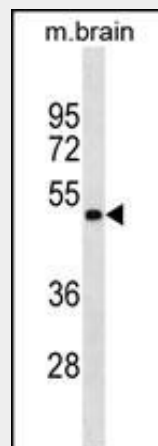
Cell membrane {ECO:0000256|ARBA:ARBA00004193}; Lipid-anchor {ECO:0000256|ARBA:ARBA00004193}

#### GNAS Antibody (Ascites) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### GNAS Antibody (Ascites) - Images



GNAS Antibody(Ascites)(Cat. #AM2129a) western blot analysis in mouse brain tissue lysates (35µg/lane). This demonstrates the GNAS antibody detected the GNAS protein (arrow).

#### GNAS Antibody (Ascites) - Background

Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The Gs protein is involved in hormonal regulation of adenylate cyclase: it activates the cyclase in response to beta-adrenergic stimuli. Alternative splicing of downstream exons of the GNAS gene is 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 have been found for this gene, but the full-length nature and/or biological validity of some variants have not been determined. 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.