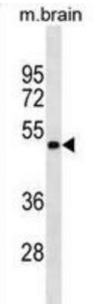
Neuroendocrine Secretory Protein 55 (GNAS) Antibody

Catalogue No.:abx025004



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 reponses. 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 osseus heteroplasia, polyostotic fibrous dysplasia of bone, and some pituitary tumors. This antibody is supplied as crude ascites.

Target:	Neuroendocrine Secretory Protein 55 (GNAS)
Clonality:	Monoclonal
Reactivity:	Mouse
Tested Applications:	ELISA, WB
Host:	Mouse
Recommended dilutions:	WB: 1/300. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 287-315 amino acids from human GNAS.
Isotype:	IgM
Form:	Liquid
Purification:	Unpurified crude ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

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UniProt Primary AC:	Q5FWY2 (UniProt, ExPASy)
Molecular Weight:	Calculated MW: 44.3 kDa
Buffer:	Ascites containing 0.09% sodium azide.
Specificity:	Predicted to react with Human, Rat, Cow, Pig and Hamster GNAS.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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