

Datasheet for ABIN656989  
**anti-GNAS antibody (C-Term)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	400 µL
Target:	GNAS
Binding Specificity:	AA 287-315, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAS antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This GNAS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-315 amino acids from the C-terminal region of human GNAS.
Clone:	RB33001
Isotype:	IgG
Predicted Reactivity:	M, Rat, B, Ha, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	GNAS
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## Target Details

Alternative Name:	GNAS ( <a href="#">GNAS Products</a> )
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.
Molecular Weight:	44250
Gene ID:	2778
UniProt:	<a href="#">Q5FWY2</a>
Pathways:	<a href="#">Thyroid Hormone Synthesis</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Embryonic Body Morphogenesis</a>

## Application Details

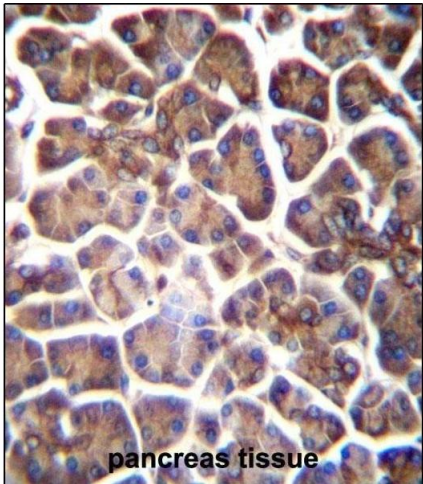
Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	GNAS Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage,

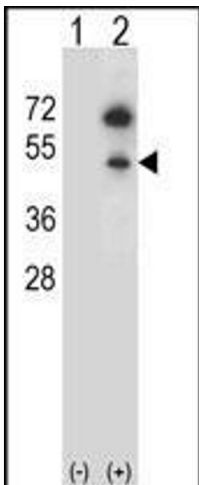
place the at -20 °C.

Expiry Date: 6 months



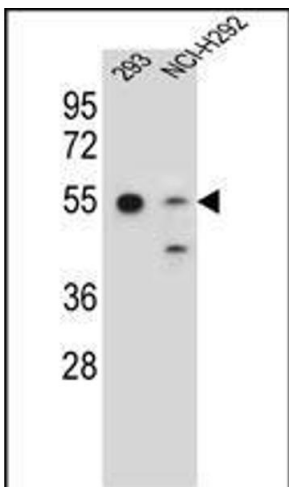
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** GNAS Antibody (C-term) (ABIN656989 and ABIN2850497) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GNAS Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** Western blot analysis of GNAS (arrow) using rabbit polyclonal GNAS Antibody (C-term) (ABIN656989 and ABIN2850497). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GNAS gene.



**Western Blotting**

**Image 3.** GNAS Antibody (C-term) (ABIN656989 and ABIN2850497) western blot analysis in 293, NCI- cell line lysates (35 µg/lane). This demonstrates the GNAS antibody detected the GNAS protein (arrow).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN656989.