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Datasheet for ABIN7154707  
**anti-GNAS antibody (AA 1-394)**

3 Images

Overview

Quantity:	100 µg
Target:	GNAS
Binding Specificity:	AA 1-394
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Guanine nucleotide-binding protein G(s) subunit alpha isoforms short protein (1-394AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	GNAS
Alternative Name:	GNAS ( <a href="#">GNAS Products</a> )
Background:	Background: Guanine nucleotide-binding proteins (G proteins) function as transducers in

## Target Details

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numerous signaling pathways controlled by G protein-coupled receptors (GPCRs) (PubMed:17110384). Signaling involves the activation of adenylyl cyclases, resulting in increased levels of the signaling molecule cAMP (PubMed:26206488, PubMed:8702665). GNAS functions downstream of several GPCRs, including beta-adrenergic receptors (PubMed:21488135). Stimulates the Ras signaling pathway via RAPGEF2 (PubMed:12391161).  
Aliases: Adenylate cyclase-stimulating G alpha protein antibody, AHO antibody, alternative gene product encoded by XL-exon antibody, C20orf45 antibody, extra large alphas protein antibody, GNAS antibody, GNAS complex locus antibody, GNAS1 antibody, GNAS1 gene, formerly antibody, GNAS1, formerly antibody, GNAS2\_HUMAN antibody, GPSA antibody, GSA antibody, GSP antibody, guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1 antibody, guanine nucleotide regulatory protein antibody, Guanine nucleotide-binding protein G(s) subunit alpha isoforms short antibody, guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas antibody, NESP antibody, neuroendocrine secretory protein antibody, PHP1A antibody, PHP1B antibody, PHP1C antibody, POH antibody, protein ALEX antibody, secretogranin VI antibody

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UniProt: [P63092](#)

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Pathways: [Thyroid Hormone Synthesis](#), [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Embryonic Body Morphogenesis](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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Preservative: ProClin

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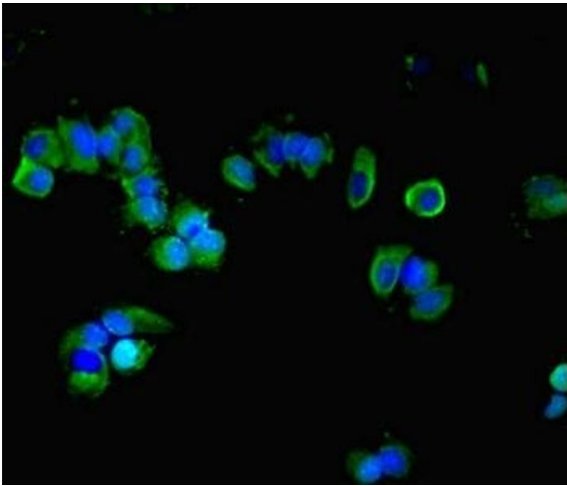
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

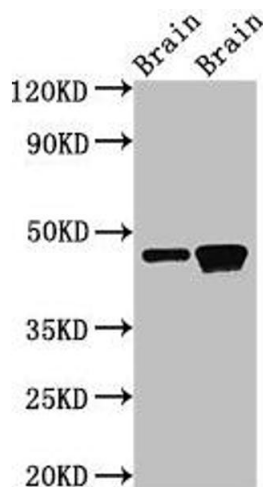
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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



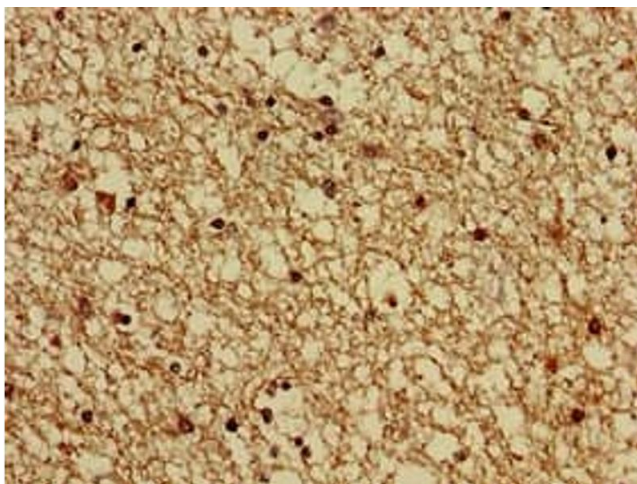
### Immunofluorescence

**Image 1.** Immunofluorescent analysis of MCF-7 cells using ABIN7154707 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Rat brain tissue, Mouse brain tissue All lanes: GNAS antibody at 3  $\mu$ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 46, 45, 112, 110, 78, 29 kDa Observed band size: 46 kDa



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7154707 at dilution of 1:100