

## Rabbit anti-Human GNAS Polyclonal Antibody | anti-GNAS antibody

GNAS Antibody

|                               |                       |                            |                              |
|-------------------------------|-----------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA230556</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------|

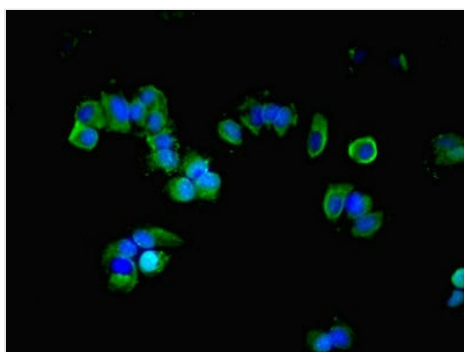
### PRODUCT SYNONYMS

GNAS; Polyclonal Antibody; GNAS Antibody; Guanine nucleotide-binding protein G(s) subunit alpha isoforms short; Adenylate cyclase-stimulating G alpha protein; GNAS1; GSP; anti-GNAS antibody

### PRODUCT SPECIFICATIONS

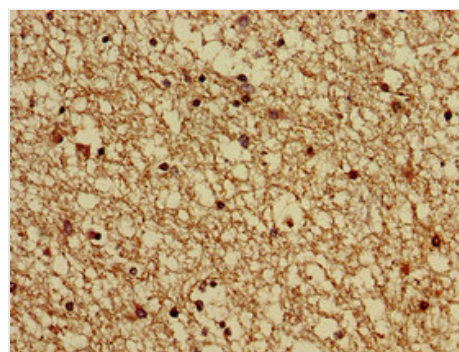
|                                                |                                                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                         |
| Reactivity                                     | Human                                                                                          |
| Clonality                                      | Polyclonal                                                                                     |
| Isotype                                        | IgG                                                                                            |
| Purity/Purification                            | >95%,Protein G purified                                                                        |
| Form/Format                                    | Liquid                                                                                         |
| Sequence Length                                | 394                                                                                            |
| Applicable Applications for anti-GNAS antibody | ELISA                                                                                          |
| Immunogen                                      | Recombinant human Guanine nucleotide-binding protein G(s) subunit alpha isoforms short protein |
| Conjugation                                    | Non-conjugated                                                                                 |
| Storage Buffer                                 | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                  |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.       |

### IMAGES



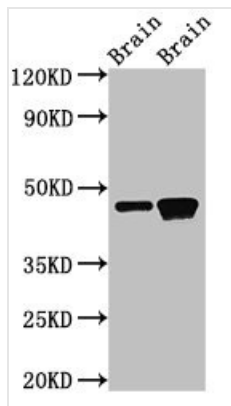
#### IHC (Immunohistochemistry)

Immunofluorescent analysis of MCF-7 cells using AAA230556 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue using AAA230556 at dilution of 1:100



#### WB (Western Blot)

Western Blot Positive WB detected in: Rat brain tissue, Mouse brain tissue  
 All lanes: GNAS antibody at 3ug/ml  
 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution  
 Predicted band size: 46, 45, 112 KDa  
 Observed band size: 46 KDa

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-GNAS antibody</b> | Guanine nucleotide-binding proteins (G proteins) function as transducers in 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). |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4504047                                                                                                                |
| NCBI GeneID                      | 2778                                                                                                                   |
| NCBI Accession #                 | NP_000507.1                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_000516.5                                                                                                            |
| UniProt Accession #              | P63092; P04895; Q12927; Q14433; Q32P26; Q5JWD2; Q5JWD4; Q5JWD5; Q6NR75; Q6NXS0; A6NI00; E1P5G5; O95467; P84996; Q5JWF2 |
| Molecular Weight                 | 111,025 Da                                                                                                             |
| NCBI Official Full Name          | protein GNAS isoform GNASL                                                                                             |
| NCBI Official Synonym Full Names | GNAS complex locus                                                                                                     |
| NCBI Official Symbol             | GNAS                                                                                                                   |
| NCBI Official Synonym Symbols    | AHO; GSA; GSP; POH; GPSA; NESP; SCG6; SgVI; GNAS1; C20orf45                                                            |
| NCBI Protein Information         | protein ALEX; protein GNAS; protein SCG6 (secretogranin VI)                                                            |
| UniProt Protein Name             | Guanine nucleotide-binding protein G(s) subunit alpha isoforms short                                                   |
| UniProt Gene Name                | <b>GNAS</b>                                                                                                            |
| UniProt Synonym Gene Names       | GNAS1; GSP                                                                                                             |
| UniProt Entry Name               | GNAS2_HUMAN                                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.