

## Rabbit GNAI2 Polyclonal Antibody | anti-GNAI2 antibody

GNAI2 Antibody (N-term)

|                               |                       |                                                           |                                            |
|-------------------------------|-----------------------|-----------------------------------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA287033</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human (Predicted Reactivity: Monkey)</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

GNAI2; Polyclonal Antibody; GNAI2 Antibody (N-term); Guanine nucleotide-binding protein G(i) subunit alpha-2; Adenylate cyclase-inhibiting G alpha protein; GNAI2B; anti-GNAI2 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human (Predicted Reactivity: Monkey)                                                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This GNAI2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-107 amino acids from the N-terminal region of human GNAI2.        |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                              | 78-107                                                                                                                                                                       |
| Sequence Length                                 | 303                                                                                                                                                                          |
| Applicable Applications for anti-GNAI2 antibody | ELISA, WB (Western Blot)                                                                                                                                                     |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                  | HUMAN                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### WB (Western Blot)

Western blot analysis of GNAI2 (arrow) using rabbit polyclonal GNAI2 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GNAI2 gene.



#### WB (Western Blot)

GNAI2 Antibody (N-term) western blot analysis in SK-BR-3 cell line lysates (35ug/lane). This demonstrates the GNAI2 antibody detected the GNAI2 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GNAI2 antibody | The protein encoded by this gene is an alpha subunit of guanine nucleotide binding proteins (G proteins). The encoded protein contains the guanine nucleotide binding site and is involved in the hormonal regulation of adenylate cyclase. Several transcript variants encoding different isoforms have been detected for this gene, but the full-length nature of only two are known so far. |
| Product Categories/Family for anti-GNAI2 antibody   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                            |
| References                                          | Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)<br>So, H.C., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (1), 103-113 (2010) :<br>Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)<br>Kuszak, A.J., et al. J. Biol. Chem. 284(39):26732-26741(2009)<br>Huang, X., et al. Med. Hypotheses 73(1):56-59(2009)                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| NCBI GI #                        | 261878575                                                                               |
| NCBI GeneID                      | 2771                                                                                    |
| NCBI Accession #                 | NP_001159897.1; NP_002061.1                                                             |
| NCBI GenBank Nucleotide #        | NM_001166425.1                                                                          |
| UniProt Accession #              | P04899; Q6B6N3; Q8IZ71; B3KTZ0; B4DYA0; B4E2X5                                          |
| Molecular Weight                 | 40451                                                                                   |
| NCBI Official Full Name          | guanine nucleotide-binding protein G(i) subunit alpha-2 isoform 2                       |
| NCBI Official Synonym Full Names | guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 |
| NCBI Official Symbol             | GNAI2                                                                                   |
| NCBI Official Synonym Symbols    | GIP; GNAI2B; H_LUCA15.1; H_LUCA16.1                                                     |
| NCBI Protein Information         | guanine nucleotide-binding protein G(i) subunit alpha-2                                 |
| UniProt Protein Name             | Guanine nucleotide-binding protein G(i) subunit alpha-2                                 |
| UniProt Gene Name                | GNAI2                                                                                   |
| UniProt Synonym Gene Names       | GNAI2B                                                                                  |
| UniProt Entry Name               | GNAI2_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.