

GNAI2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14419a**Specification**

GNAI2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P04899
Other Accession	Q4R592 , NP_002061.1
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40451
Antigen Region	78-107

GNAI2 Antibody (N-term) - Additional Information**Gene ID** 2771**Other Names**

Guanine nucleotide-binding protein G(i) subunit alpha-2, Adenylate cyclase-inhibiting G alpha protein, GNAI2, GNAI2B

Target/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.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GNAI2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GNAI2 Antibody (N-term) - Protein Information**Name** GNAI2

Synonyms GNAI2B

Function Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(i) proteins are involved in hormonal regulation of adenylate cyclase: they inhibit the cyclase in response to beta- adrenergic stimuli. May play a role in cell division.

Cellular Location

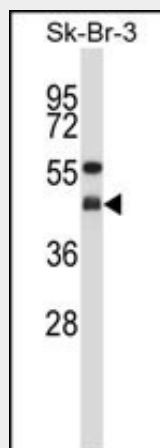
Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cell membrane. Membrane; Lipid-anchor. Note=Localizes in the centrosomes of interphase and mitotic cells. Detected at the cleavage furrow and/or the midbody

GNAI2 Antibody (N-term) - Protocols

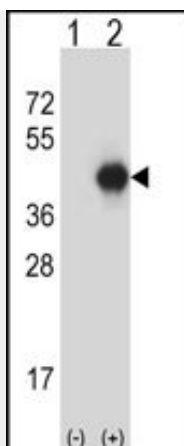
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GNAI2 Antibody (N-term) - Images



GNAI2 Antibody (N-term) (Cat. #AP14419a) western blot analysis in SK-BR-3 cell line lysates (35ug/lane). This demonstrates the GNAI2 antibody detected the GNAI2 protein (arrow).



Western blot analysis of GNAI2 (arrow) using rabbit polyclonal GNAI2 Antibody (N-term) (Cat. #AP14419a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GNAI2 gene.

GNAI2 Antibody (N-term) - Background

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.

GNAI2 Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
So, H.C., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (1), 103-113 (2010) :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Kuszek, A.J., et al. J. Biol. Chem. 284(39):26732-26741(2009)
Huang, X., et al. Med. Hypotheses 73(1):56-59(2009)