

GNAI2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14419a**Specification**

GNAI2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P04899](#)**GNAI2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2771**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GNAI2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GNAI2 Antibody (N-term) Blocking Peptide - Images

GNAI2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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) Kuszak, A.J., et al. J. Biol. Chem. 284(39):26732-26741(2009) Huang, X., et al. Med. Hypotheses 73(1):56-59(2009)