

Gai2 Blocking Peptide
Catalog # PBV10102b**Specification**

Gai2 Blocking Peptide - Product Information

Primary Accession	P04899
Other Accession	AAM12620
Gene ID	2771
Calculated MW	40451

Gai2 Blocking Peptide - Additional Information**Gene ID** 2771**Application & Usage**

The peptide is used for blocking the antibody activity of Gai2. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

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

Target/Specificity

Gai2

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Gai2 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Gai2 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

Gai2 Blocking Peptide - 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](#)

Gai2 Blocking Peptide - Images