

GNB2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9497c**Specification**

GNB2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P62879](#)

GNB2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 2783

Other Names

Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2, G protein subunit beta-2, Transducin beta chain 2, GNB2

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.

GNB2 Antibody (Center) Blocking Peptide - Protein Information

Name GNB2

Function

Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.

Cellular Location

Cytoplasm, perinuclear region. Cell membrane

Tissue Location

Expressed in all cardiac subcompartments and in the brain, with highest levels in the atrioventricular node and brain

GNB2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GNB2 Antibody (Center) Blocking Peptide - Images

GNB2 Antibody (Center) Blocking Peptide - Background

Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. This gene contains a trinucleotide (CCG) repeat length polymorphism in its 5' UTR.

GNB2 Antibody (Center) Blocking Peptide - References

DePuy, S.D., et al. Proc. Natl. Acad. Sci. U.S.A. 103(39):14590-14595(2006)Waragai, M., et al. J. Neurosci. Res. 83(7):1170-1178(2006)Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)