

NEO1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17802c**Specification**

NEO1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q92859](#)

NEO1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4756

Other Names

Neogenin, Immunoglobulin superfamily DCC subclass member 2, NEO1, IGDCC2, NGN

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.

NEO1 Antibody (Center) Blocking Peptide - Protein Information

Name NEO1

Synonyms IGDCC2, NGN

Function

Multi-functional cell surface receptor regulating cell adhesion in many diverse developmental processes, including neural tube and mammary gland formation, myogenesis and angiogenesis. Receptor for members of the BMP, netrin, and repulsive guidance molecule (RGM) families. Netrin-Neogenin interactions result in a chemoattractive axon guidance response and cell-cell adhesion, the interaction between NEO1/Neogenin and RGMa and RGMb induces a chemorepulsive response.

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Widely expressed and also in cancer cell lines.

NEO1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NEO1 Antibody (Center) Blocking Peptide - Images

NEO1 Antibody (Center) Blocking Peptide - Background

This gene encodes a cell surface protein that is a member of the immunoglobulin superfamily. The encoded protein consists of four N-terminal immunoglobulin-like domains, six fibronectin type III domains, a transmembrane domain and a C-terminal intracellular domain that shares homology with the tumor suppressor candidate gene DCC. This protein may be involved in cell growth and differentiation and in cell-cell adhesion. Defects in this gene are associated with cell proliferation in certain cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq].

NEO1 Antibody (Center) Blocking Peptide - References

Bradford, D., et al. J. Comp. Neurol. 518(16):3237-3253(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Zhang, A.S., et al. J. Biol. Chem. 284(34):22580-22589(2009) Fujita, Y., et al. Cell Death Differ. 15(10):1593-1608(2008) Zhang, A.S., et al. J. Biol. Chem. 283(25):17494-17502(2008)