

STMN2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16048b**Specification**

STMN2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q93045](#)**STMN2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 11075**Other Names**

Stathmin-2, Superior cervical ganglion-10 protein, Protein SCG10, STMN2, SCG10, SCGN10

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.

STMN2 Antibody (C-term) Blocking Peptide - Protein Information**Name** STMN2**Synonyms** SCG10, SCGN10**Function**

Regulator of microtubule stability. When phosphorylated by MAPK8, stabilizes microtubules and consequently controls neurite length in cortical neurons. In the developing brain, negatively regulates the rate of exit from multipolar stage and retards radial migration from the ventricular zone (By similarity).

Cellular Location

Cytoplasm. Cytoplasm, perinuclear region. Cell projection, growth cone. Membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, axon. Golgi apparatus. Endosome. Cell projection, lamellipodium. Note=Associated with punctate structures in the perinuclear cytoplasm, axons, and growth cones of developing neurons. SCG10 exists in both soluble and membrane-bound forms. Colocalized with CIB1 in neurites of developing hippocampal primary neurons (By similarity). Colocalized with CIB1 in the cell body, neuritis and growth cones of neurons. Colocalized with CIB1 to the leading edge of lamellipodia.

Tissue Location

Neuron specific.

STMN2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

STMN2 Antibody (C-term) Blocking Peptide - Images

STMN2 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the stathmin family of phosphoproteins. Stathmin proteins function in microtubule dynamics and signal transduction. The encoded protein plays a regulatory role in neuronal growth and is also thought to be involved in osteogenesis. Reductions in the expression of this gene have been associated with Down's syndrome and Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 6.

STMN2 Antibody (C-term) Blocking Peptide - References

Paradis, V., et al. Am. J. Pathol. 177(4):1791-1797(2010) Rowe, D.D., et al. Brain Res. (2010) In press :Alves, M.M., et al. Hum. Mol. Genet. 19(18):3642-3651(2010) Xu, H., et al. J. Biol. Chem. 285(6):3548-3553(2010) Mead, S., et al. Lancet Neurol 8(1):57-66(2009)