

STMN1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP5108c**Specification**

STMN1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P16949](#)**STMN1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 3925**Other Names**

Stathmin, Leukemia-associated phosphoprotein p18, Metablastin, Oncoprotein 18, Op18, Phosphoprotein p19, pp19, Prosolin, Protein Pr22, pp17, STMN1, C1orf215, LAP18, OP18

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.

STMN1 Antibody (Center) Blocking Peptide - Protein Information**Name** STMN1**Synonyms** C1orf215, LAP18, OP18**Function**

Involved in the regulation of the microtubule (MT) filament system by destabilizing microtubules. Prevents assembly and promotes disassembly of microtubules. Phosphorylation at Ser-16 may be required for axon formation during neurogenesis. Involved in the control of the learned and innate fear (By similarity).

Cellular Location

Cytoplasm, cytoskeleton.

Tissue Location

Ubiquitous. Expression is strongest in fetal and adult brain, spinal cord, and cerebellum, followed by thymus, bone marrow, testis, and fetal liver. Expression is intermediate in colon, ovary, placenta, uterus, and trachea, and is readily detected at substantially lower levels in all other tissues examined. Lowest expression is found in adult liver. Present in much greater abundance in cells from patients with acute leukemia of different subtypes than in normal peripheral blood lymphocytes, non-leukemic proliferating lymphoid cells, bone marrow cells, or cells from patients

with chronic lymphoid or myeloid leukemia.

STMN1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

STMN1 Antibody (Center) Blocking Peptide - Images

STMN1 Antibody (Center) Blocking Peptide - Background

STMN1 belongs to the stathmin family of genes. It encodes a ubiquitous cytosolic phosphoprotein proposed to function as an intracellular relay integrating regulatory signals of the cellular environment. The encoded protein is involved in the regulation of the microtubule filament system by destabilizing microtubules. It prevents assembly and promotes disassembly of microtubules.

STMN1 Antibody (Center) Blocking Peptide - References

Calvo, A., et al. Prostate 70(6):630-645(2010) Chung, M.K., et al. Clin. Exp. Med. 10(1):51-57(2010) Jeon, T.Y., et al. Br. J. Cancer 102(4):710-718(2010)