

SRM Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16953c**Specification**

SRM Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P19623](#)**SRM Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6723**Other Names**

Spermidine synthase, SPDSY, Putrescine aminopropyltransferase, SRM, SPS1, SRML1

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.

SRM Antibody (Center) Blocking Peptide - Protein Information**Name** SRM**Synonyms** SPS1, SRML1**Function**

Catalyzes the production of spermidine from putrescine and decarboxylated S-adenosylmethionine (dcSAM). Has a strong preference for putrescine as substrate, and has very low activity towards 1,3- diaminopropane. Has extremely low activity towards spermidine.

SRM Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SRM Antibody (Center) Blocking Peptide - Images**SRM Antibody (Center) Blocking Peptide - Background**

The polyamines putrescine, spermine, and spermidine are ubiquitous polycationic mediators of cell

growth and differentiation. Spermidine synthase is one of four enzymes in the polyamine-biosynthetic pathway and carries out the final step of spermidine biosynthesis. This enzyme catalyzes the conversion of putrescine to spermidine using decarboxylated S-adenosylmethionine as the cofactor.

SRM Antibody (Center) Blocking Peptide - References

Wu, H., et al. Biochemistry 46(28):8331-8339(2007) Nishikawa, Y., et al. Biochem. J. 321 (PT 2), 537-543 (1997) : Lakanen, J.R., et al. J. Med. Chem. 38(14):2714-2727(1995) Kauppinen, L. FEBS Lett. 365(1):61-65(1995) Kauppinen, L., et al. Biochem. J. 293 (PT 2), 513-516 (1993) :