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SRM Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16953c

Specification

SRM Antibody (Center) Blocking Peptide - Product Information

Primary 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 areubiquitous polycationic mediators of cell

growth anddifferentiation. Spermidine synthase is one of four enzymes in thepolyamine-biosynthetic pathway and carries out the final step ofspermidine biosynthesis. This enzyme catalyzes the conversion ofputrescine to spermidine using decarboxylated S-adenosylmethionineas 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) :