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SRM Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16953c

Product Information

Application	WB, E
Primary Accession	P19623
Other Accession	Q64674, NP_003123.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36584
Calculated MW	33825
Antigen Region	158-187

Additional Information

Gene ID	6723
Other Names	Spermidine synthase, SPDSY, Putrescine aminopropyltransferase, SRM, SPS1, SRML1
Target/Specificity	This SRM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 158-187 amino acids from the Central region of human SRM.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SRM Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

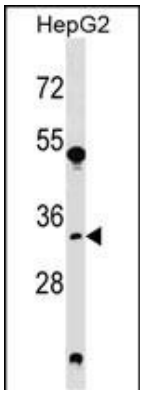
Background

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.

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) :

Images



SRM Antibody (Center) (Cat. #AP16953c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the SRM antibody detected the SRM protein (arrow).