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Spermidine synthase Rabbit pAb

Catalog # AP98353

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P19623
Other Accession	P19623
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33825
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Spermidine synthase
Epitope Specificity	131-230/302
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the spermidine/spermine synthase family. Contains 1 PABS (polyamine biosynthesis) domain.
SUBUNIT	Homodimer or homotetramer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	6723
Other Names	PAPT; SPDSY; SPS1; SRML1; SPEE_HUMAN; SRM; Putrescine aminopropyltransferase; 2.5.1.16; spermidine synthase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.