



SAT1 Polyclonal Antibody

Catalog Number PA1-16992

Product Data Sheet

Details		Species Reactivity	
Size	100µL	Tested species reactivity	Bovine, Chicken, Goat, Human, Mouse, Porcine, Rat, Xenopus laevis
Host / Isotype	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal	Immunocytochemistry (ICC)	1:40
Type	Antibody	Immunofluorescence (IF)	1:40
Immunogen	Synthetic peptide corresponding to residues 100-171 of human SAT1.	Immunohistochemistry (IHC)	1:100
Conjugate	Unconjugated	Immunohistochemistry (Paraffin) (IHC (P))	1:100
Form	Liquid	Western Blot (WB)	2 µg/ml
Concentration	1mg/ml	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Purification	Antigen affinity chromatography		
Storage Buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product Specific Information

Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

Suggested positive control: antigen standard for SAT1 (transient overexpression lysate).

Background/Target Information

Spermidine/spermine-N1-acetyltransferase (SSAT1) is a short-lived polyamine catabolic enzyme which catalyzes the acetylation of polyamines. This highly regulated enzyme allows a fine attenuation of the intracellular concentration of polyamines. Induction of SSAT1 plays an important role in polyamine homeostasis, since the N1-acetylated polyamines can be excreted or oxidized by acetylpolyamine oxidase.

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