

Rabbit SAT1 Polyclonal Antibody | anti-SAT1 antibody

SAT1 Antibody

CATALOG # AAA323292	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

SAT1; Polyclonal Antibody; SAT1 Antibody; DC21; Diamine acetyltransferase 1; Diamine N acetyltransferase 1; EC 2.3.1.57; KFSD; KFSDX; Polyamine N acetyltransferase 1; Polyamine N-acetyltransferase 1; Putrescine acetyltransferase; SAT; SAT1_HUMAN; Spermidine/spermine N(1) acetyltransferase 1; Spermidine/spermine N(1)-acetyltransferase 1; Spermidine/spermine N1 acetyltransferase 1; Spermidine/spermine N1 acetyltransferase alpha; SSAT 1; SSAT; SSAT-1; anti-SAT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SAT1 antibody detects endogenous levels of SAT1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	171
Applicable Applications for anti-SAT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SAT1.
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%), Xenopus (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of mouse liver tissue, using SAT1 antibody.



IHC (Immunohistochemistry)
AAA323292 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-SAT1 antibody	Function: Enzyme which catalyzes the acetylation of polyamines. Substrate specificity: norspermidine = spermidine > > spermine > N1-acetylspermine > putrescine. This highly regulated enzyme allows a fine attenuation of the intracellular concentration of polyamines. Also involved in the regulation of polyamine transport out of cells. Acts on 1, 3-diaminopropane, 1, 5-diaminopentane, putrescine, spermidine (forming N1-and N8-acetylspermidine), spermine, N1-acetylspermidine and N8-acetylspermidine. Subunit Structure: Homodimer. Similarity: Belongs to the acetyltransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506789
NCBI GeneID	6303
NCBI Accession #	NP_002961.1
NCBI GenBank Nucleotide #	NM_002970.3
UniProt Accession #	P21673; Q6ICU9
Molecular Weight	Observed: 25-30 kDa Predicted: 21 kDa
NCBI Official Full Name	diamine acetyltransferase 1
NCBI Official Synonym Full Names	spermidine/spermine N1-acetyltransferase 1
NCBI Official Symbol	SAT1
NCBI Official Synonym Symbols	SAT; DC21; KFSD; SSAT; KFSDX; SSAT-1
NCBI Protein Information	diamine acetyltransferase 1
UniProt Protein Name	Diamine acetyltransferase 1
UniProt Gene Name	SAT1
UniProt Synonym Gene Names	SAT; SSAT; SSAT-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.