

## Rabbit SAT1 Polyclonal Antibody | anti-SAT1 antibody

SAT1 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA323292</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

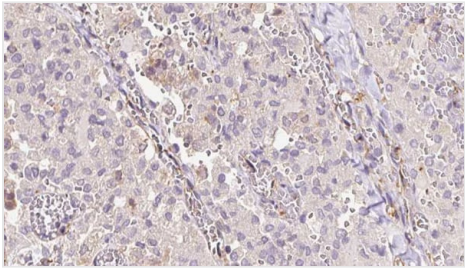
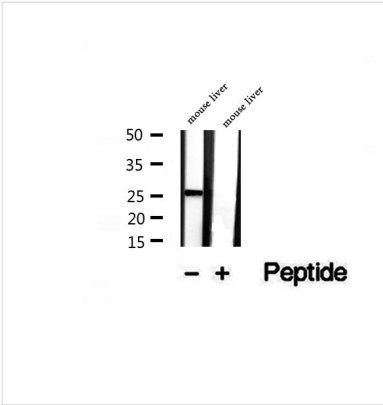
### PRODUCT SYNONYMS

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<br>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                     | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                                |
| 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



**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.

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

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-SAT1 antibody</b> | 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.<br>Subunit Structure: Homodimer.<br>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<br>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                | <b>SAT1</b>                                |
| 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.