Diamine acetyltransferase 1 Polyclonal Antibody

Catalog No: #42374

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Description

Product Name	Diamine acetyltransferase 1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	>95%, Protein G purified
Applications	WB IHC ELISA
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Diamine acetyltransferase 1 polyclonal antibody.
Immunogen Description	Recombinant human Diamine acetyltransferase 1 protein
Target Name	Diamine acetyltransferase 1
Other Names	Polyamine N-acetyltransferase 1, Putrescine acetyltransferase, Spermidine/spermine N(1)-acetyltransferase 1, SSAT, SSAT-1
Accession No.	Swiss-Prot#: P21673
Uniprot	P21673
GeneID	6303;
Calculated MW	19kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

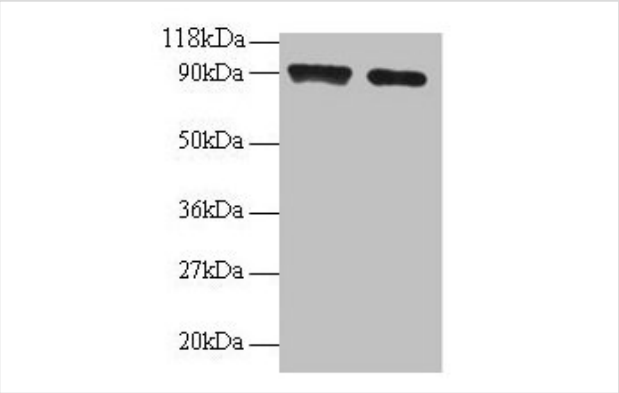
Application Details

Western blotting: 1:500 - 1:1000

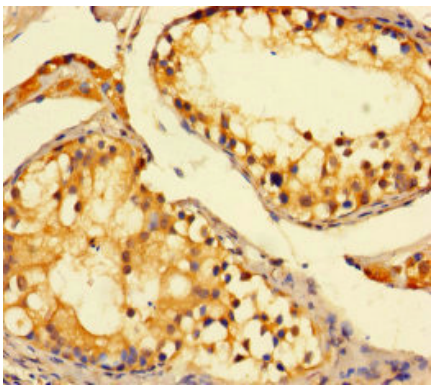
WB:1:1000-1:5000

IHC:1:20-1:200

Images



Western blot
All lanes: SAT1 antibody at 2ΞOg/ml
Lane 1: 293T whole cell lysate
Lane 2: EC109 whole cell lysate
Secondary
Goat polyclonal to rabbit IgG at 1/15000 dilution
Predicted band size: 21 kDa
Observed band size: 90 kDa



Immunohistochemistry of paraffin-embedded
human testis tissue using #42374 at dilution of 1:100

Background

Enzyme which catalyzes the acetylation of polyamines. Substrate specificity: norspermidine = spermidine >> spermine > N(1)-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 N(1)- and N(8)-acetylspermidine), spermine, N(1)-acetylspermidine and N(8)-acetylspermidine.

References

[1] "Isolation and characterization of a cDNA clone that codes for human spermidine/spermine N1-acetyltransferase."Casero R.A. Jr., Celano P., Ervin S.J., Applegren N.B., Wiest L., Pegg A.E.J. Biol. Chem. 266:810-814(1991) [PubMed: 1985966] [Abstract]Cite

Note: This product is for in vitro research use only