Product Name: HAT1 Rabbit Polyclonal Antibody
Catalog #: APRab11902

Summary

Production Name	HAT1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HAT1
Alternative Names	HAT1; KAT1; Histone acetyltransferase type B catalytic subunit; Histone acetyltransferase 1
Gene ID	8520.0
SwissProt ID	O14929.The antiserum was produced against synthesized peptide derived from human HAT. AA range:331-380

Application

Dilution Ratio	WB 1:500-1:2000. ELISA: 1:5000.
Molecular Weight	49kD

Background

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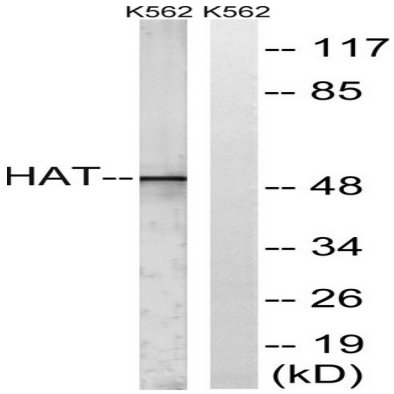
The protein encoded by this gene is a type B histone acetyltransferase (HAT) that is involved in the rapid acetylation of newly synthesized cytoplasmic histones, which are in turn imported into the nucleus for de novo deposition onto nascent DNA chains. Histone acetylation, particularly of histone H4, plays an important role in replication-dependent chromatin assembly. Specifically, this HAT can acetylate soluble but not nucleosomal histone H4 at lysines 5 and 12, and to a lesser degree, histone H2A at lysine 5. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jun 2009],catalytic activity:Acetyl-CoA + histone = CoA + acetylhistone.,function:May play a role in telomeric silencing. Acetylates soluble but not nucleosomal H4 at 'Lys-5' and 'Lys-12' and acetylates histone H2A at 'Lys-5'. HAT1 has intrinsic substrate specificity that modifies lysine in recognition sequence GXGKXG.,online information:Histone acetyltransferase entry,similarity:Belongs to the HAT1 family.,subcellular location:Nuclear in S-phase cells and cytoplasmic.,subunit:Heteromer of HAT1 and p46/HAT2 subunits.,

Research Area

Protein_Acetylation

Image Data



Western blot analysis of lysates from K562 cells, using HAT Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.