



HAT1 rabbit pAb

Cat No.:ES7804

For research use only

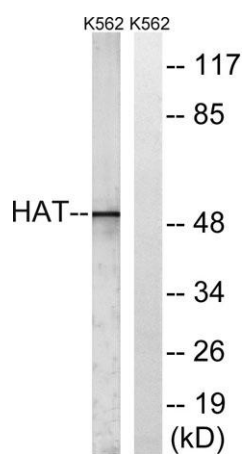
Overview

Product Name	HAT1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HAT. AA range:331-380
Specificity	HAT1 Polyclonal Antibody detects endogenous levels of HAT1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Histone acetyltransferase type B catalytic subunit
Gene Name	HAT1
Cellular localization	[Isoform A]: Nucleus matrix . Mitochondrion . ; [Isoform B]: Cytoplasm . Nucleus . Nucleus matrix . Nucleus, nucleoplasm . Localization is predominantly nuclear in normal cells. Treatment with hydrogen peroxide or ionizing radiation enhances nuclear locali
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	49kD
Human Gene ID	8520
Human Swiss-Prot Number	O14929
Alternative Names	HAT1; KAT1; Histone acetyltransferase type B catalytic subunit; Histone acetyltransferase 1
Background	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],



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

