



Mouse anti-Human HAT1 monoclonal antibody (CABT-B10384)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Recombinant protein corresponding to N-terminus residues of human HAT1.
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB, ELISA
Format	Liquid
Size	100 µg
Buffer	In PBS, pH 7.4 (0.02% sodium azide, 1% BSA, 50% glycerol)
Storage	-20 °C, Avoid freeze / thaw cycles

BACKGROUND

Introduction	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]
Keywords	HAT1; histone acetyltransferase 1; KAT1; histone acetyltransferase type B catalytic subunit;

GENE INFORMATION

Entrez Gene ID	8520
UniProt ID	O14929
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem
Function	acyltransferase activity; histone acetyltransferase activity; protein binding; transferase activity