



Anti-HAT1 (aa 310-419) polyclonal antibody (DPAB-DC3543)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	HAT1 (NP_003633, 310 a.a. ~ 419 a.a) partial recombinant protein with GST tag. The sequence is NEDMAIEAQQKFKINKQHARRVYEILRLVTDMSDAEQYRSYRLDIKRRLISPYKKQRD LAKMRKCLRPEELTNQMNQIEISMQHEQLEESFQELVEDYRRVIERLAQE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HAT1 histone acetyltransferase 1 [Homo sapiens (human)]
Official Symbol	HAT1
Synonyms	HAT1; histone acetyltransferase 1; KAT1; histone acetyltransferase type B catalytic subunit;
Entrez Gene ID	8520
Protein Refseq	NP_003633
UniProt ID	O14929
Chromosome Location	2q31.2-q33.1
Pathway	Alcoholism; Chromatin modifying enzymes; EGFR1 Signaling Pathway;
Function	histone acetyltransferase activity; protein binding;