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Immunotag™ HAT1 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT2100
Product Description	Immunotag™ HAT1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	HAT1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from HAT1, at AA range: 300-380
Specificity	HAT1 Polyclonal Antibody detects endogenous levels of HAT1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	HAT1
Accession No.	O14929 Q8BY71 Q5M939
Alternate Names	HAT1; KAT1; Histone acetyltransferase type B catalytic subunit; Histone acetyltransferase 1

Antibody Specification

Description	histone acetyltransferase 1(HAT1) Homo sapiens 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],
Cell Pathway/ Category	Protein_Acetylation
Protein Expression	Brain,Epithelium,Lung,Testis,
Subcellular Localization	chromosome, telomeric region,nuclear chromosome, telomeric region,nuclear chromatin,nucleus,nucleoplasm,cytoplasm,nuclear matrix,intracellular membrane-bounded organelle,protein complex,
Protein Function	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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.