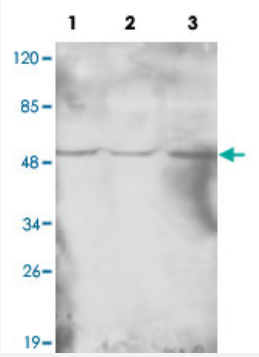
HAT1 monoclonal antibody

Catalog # MAB8748 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HAT1 monoclonal antibody (Cat # MAB8748) at 1 : 1000 dilution. Lane 1 : HeLa whole cell lysate 40 ug/Lane. Lane 2 : 293 whole cell lysate 40 ug/Lane. Lane 3 : NIH/3T3 whole cell lysate 40 ug/Lane. Predicted band size : 49 KDa. Observed band size : 49 KDa.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant HAT1.
Immunogen	Recombinant protein corresponding to N-terminus residues of human HAT1.
Host	Mouse
Reactivity	Human
Specificity	This antibody is specific to HAT1.
Form	Liquid
Purification	Protein G purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:100-1:2000) ELISA (1:5000-1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.02% sodium azide, 50% glycerol)

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Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Cell lysate)

  Western blot analysis of HAT1 monoclonal antibody (Cat # MAB8748) at 1 : 1000 dilution. Lane 1 : HeLa whole cell lysate 40 ug/Lane. Lane 2 : 293 whole cell lysate 40 ug/Lane. Lane 3 : NIH/3T3 whole cell lysate 40 ug/Lane. Predicted band size : 49 KDa. Observed band size : 49 KDa.

Gene Info — HAT1

Entrez GeneID	8520
GeneBank Accession#	NM_003642.3
Gene Name	HAT1
Gene Alias	KAT1
Gene Description	histone acetyltransferase 1
Omim ID	603053
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a type B histone acetyltransferase (HAT) that is involved in th e rapid acetylation of newly synthesized cytoplasmic histones, which are in turn imported into the n ucleus for de novo deposition onto nascent DNA chains. Histone acetylation, particularly of histon e 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
Other Designations	-

Disease

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- Asthma

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