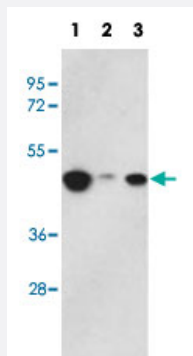


HAT1 polyclonal antibody

Catalog # PAB2246 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of 293 (Lane 1), HepG2 (Lane 2), Jurkat (Lane 3) cell lysates (35 ug/lane) with HAT1 polyclonal antibody (Cat # PAB2246).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HAT1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human HAT1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of 293 (Lane 1), HepG2 (Lane 2), Jurkat (Lane 3) cell lysates (35 ug/lane) with HAT1 polyclonal antibody (Cat # PAB2246).

Gene Info — HAT1

Entrez GeneID [8520](#)

Protein Accession# [NP_003633;O14929](#)

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 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]

Other Designations -

Publication Reference

- [Control of Smad7 stability by competition between acetylation and ubiquitination.](#)

Gronroos E, Hellman U, Heldin CH, Ericsson J.

Molecular Cell 2002 Sep; 10(3):483.

- [Effects of acetylation of histone H4 at lysines 8 and 16 on activity of the Hat1 histone acetyltransferase.](#)

Makowski AM, Dutnall RN, Annunziato AT.

The Journal of Biological Chemistry 2001 Nov; 276(47):43499.

- [Synergistic coupling of histone H3 phosphorylation and acetylation in response to epidermal growth factor stimulation.](#)

Cheung P, Tanner KG, Cheung WL, Sassone-Corsi P, Denu JM, Allis CD.

Molecular Cell 2000 Jun; 5(6):905.

Disease

- [Asthma](#)