

Rabbit anti-Human KAT1/HAT1 Monoclonal Antibody | anti-HAT1 antibody

KAT1/HAT1 Rabbit mAb

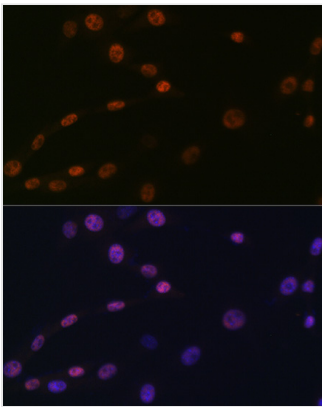
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28604	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

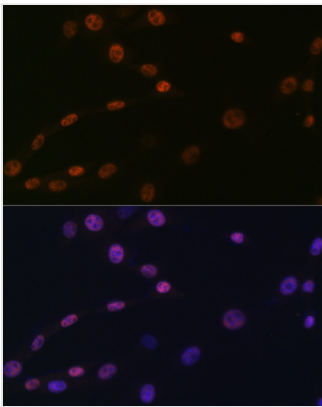
KAT1/HAT1; Monoclonal Antibody; KAT1/HAT1 Rabbit mAb; KAT1; anti-HAT1 antibody

PRODUCT SPECIFICATIONS

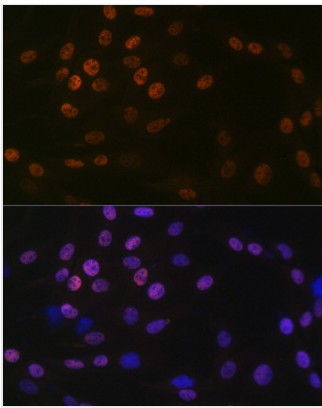
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	HYFLVFEKYN KDGATLFATV GYMTVYNNYYV YPDKTRPRVS QMLILTPFQG QGHGAQLLET VHRYYTEFPT VLDITAEDPS KSYVKLRDFV LVKLCQDLPC FSREKLMQGF NEDMVIEAQQ KFKINKQHAR RVYEILRLLV TDMSDAEQYR SYRLDIKRRL ISPYKKKQRD LAKMRKCLRP EELTNQMNQI EISMQHEQLE E
Applicable Applications for anti-HAT1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC-P: 1:50-1:200 IF/ICC: 1:50-1:200 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 200-400 of human KAT1/HAT1 (NP_003633.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



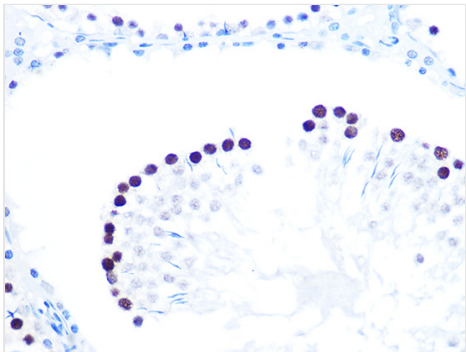
IF (Immunofluorescence)
Immunofluorescence analysis of NIH-3T3 cells using KAT1/HAT1 Rabbit mAb (AAA28604) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



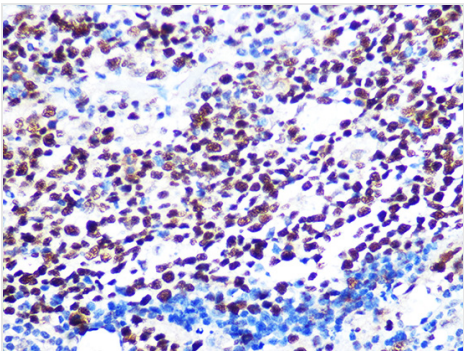
IF (Immunofluorescence)
Immunofluorescence analysis of C6 cells using KAT1/HAT1 Rabbit mAb (AAA28604) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



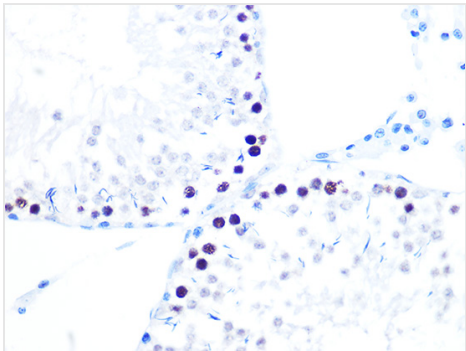
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using KAT1/HAT1 Rabbit mAb (AAA28604) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using KAT1/HAT1 Rabbit mAb (AAA28604) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using KAT1/HAT1 Rabbit mAb (AAA28604) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using KAT1/HAT1 Rabbit mAb (AAA28604) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-HAT1 antibody

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.

Product Categories/Family for anti-HAT1 antibody

Epigenetics Nuclear Signaling; Epigenetic writers and erasers of core Histones; Cell Biology Developmental Biology; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504341
NCBI GeneID	8520
NCBI Accession #	NP_003633.1
NCBI GenBank Nucleotide #	NM_003642.3
UniProt Accession #	O14929; Q49A44; Q53QF0; Q53SU4; Q6P594; Q8WWB9
Molecular Weight	Calculated MW: 50kDa Observed MW: 49kDa
UniProt Protein Name	Histone acetyltransferase type B catalytic subunit
UniProt Gene Name	HAT1
UniProt Synonym Gene Names	KAT1
UniProt Entry Name	HAT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/kat1-hat1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28604>