

KAT1/HAT1 Rabbit mAb

Catalog No.: A4423 **Recombinant**

Basic Information

Observed MW

49kDa

Calculated MW

50kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1002

Background

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.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

8520

Swiss Prot

O14929

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 200-400 of human KAT1/HAT1 (NP_003633.2).

Synonyms

KAT1; KAT1/HAT1

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

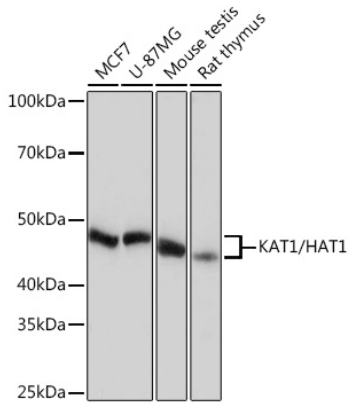
Affinity purification

Storage

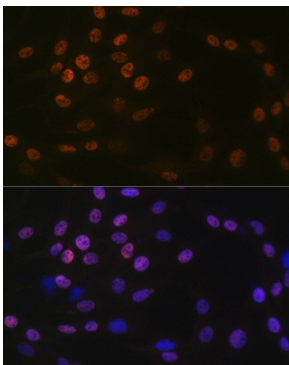
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

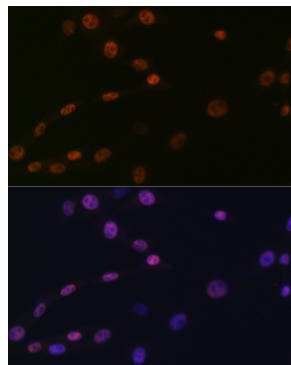
Validation Data



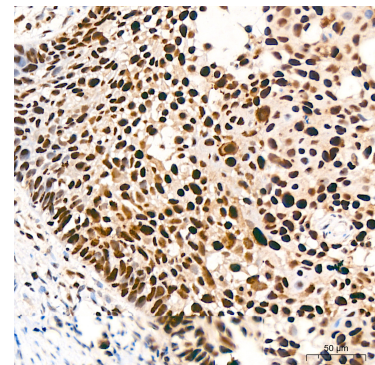
Western blot analysis of extracts of various cell lines, using KAT1/HAT1 Rabbit mAb (A4423) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 10s.



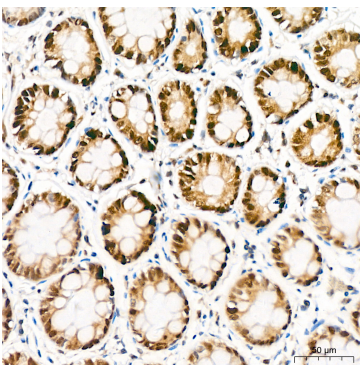
Immunofluorescence analysis of C6 cells using KAT1/HAT1 Rabbit mAb (A4423) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



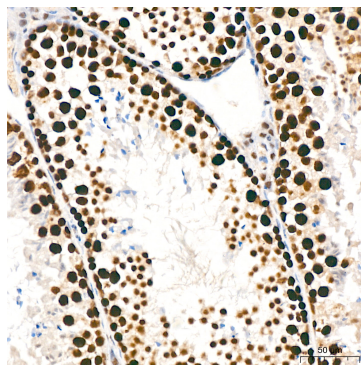
Immunofluorescence analysis of NIH-3T3 cells using KAT1/HAT1 Rabbit mAb (A4423) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



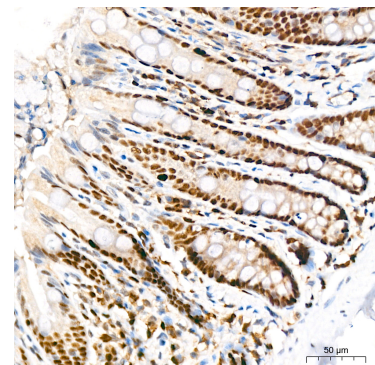
Immunohistochemistry analysis of KAT1/HAT1 in paraffin-embedded human cervix cancer tissue using KAT1/HAT1 Rabbit mAb (A4423) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of KAT1/HAT1 in paraffin-embedded human colon tissue using KAT1/HAT1 Rabbit mAb (A4423) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of KAT1/HAT1 in paraffin-embedded mouse testis tissue using KAT1/HAT1 Rabbit mAb (A4423) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of KAT1/HAT1 in paraffin-embedded rat colon tissue using KAT1/HAT1 Rabbit mAb (A4423) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.