

For Research Use Only

Multi-rAb® HAT1 Multi-Recombinant antibody

Catalog Number: RMX00092



Basic Information

Catalog Number:

RMX00092

Size:

100ul, Concentration: 550 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC018682

GeneID (NCBI):

8520

UNIPROT ID:

O14929

Full Name:

histone acetyltransferase 1

Calculated MW:

419 aa, 50 kDa

Observed MW:

46 kDa

Purification Method:

N/A

Recommended Dilutions:

WB: 1:20000-1:100000

IHC: 1:2500-1:10000

IF/ICC: 1:250-1:1000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, MCF-7 cells, NIH/3T3 cells, PC-12 cells

IHC: mouse colon tissue,

IF/ICC: HeLa cells,

Background Information

HAT1 (also known as KAT1) is located on human chromosome 2q31.1 and encodes histone acetyltransferase 1. This gene is widely expressed in various tissues, and the protein is predominantly localized nuclear in normal cells. Its primary function is to acetylate newly synthesized histones H4 (Lys5, Lys12) and H2A (Lys5), thereby promoting chromatin assembly and playing a key role in DNA replication, cell cycle progression, and DNA damage repair. This antibody can detect a band around 46 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

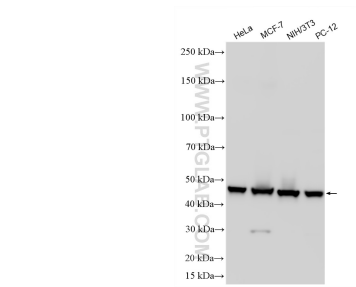
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

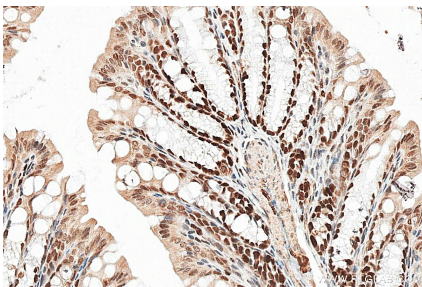
E: proteintech@ptglab.com
W: ptglab.com

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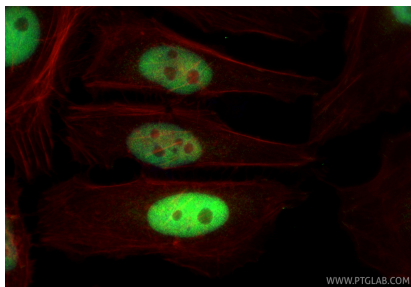
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00092 (HAT1 antibody) at dilution of 1:70000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using RMX00092 (HAT1 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HAT1 antibody (RMX00092) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).