Datasheet for ABIN7155290

anti-HAT1 antibody (Catalytic Subunit)

3 Images

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Overview

Quantity:	100 µL
Target:	HAT1
Binding Specificity:	AA 245-419, Catalytic Subunit
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HAT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Histone acetyltransferase type B catalytic subunit protein (245-419AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	HAT1
Alternative Name:	HAT1 (HAT1 Products)
Background:	Background: Acetylates soluble but not nucleosomal histone H4 at \\\'Lys-5\\\' (H4K5ac) and \\\'Lys-12\\\' (H4K12ac) and, to a lesser extent, acetylates histone H2A at \\\'Lys-5\\\'

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Target Details

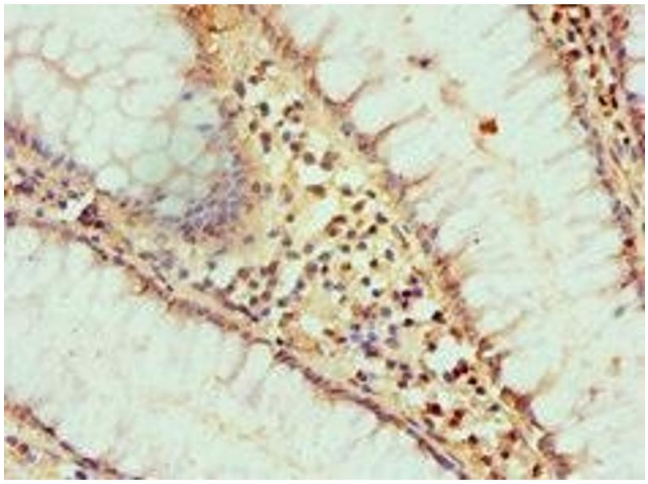
	(H2AK5ac). Has intrinsic substrate specificity that modifies lysine in recognition sequence GXGKXG. May be involved in nucleosome assembly during DNA replication and repair as part of the histone H3.1 and H3.3 complexes. May play a role in DNA repair in response to free radical damage. Aliases: HAT 1 antibody, hat1 antibody, HAT1_HUMAN antibody, Histidine aminotransferase 1 antibody, Histone acetyltransferase 1 antibody, Histone acetyltransferase 1 antibody, Histone acetyltransferase type B catalytic subunit antibody, KAT1 antibody
UniProt:	O14929

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

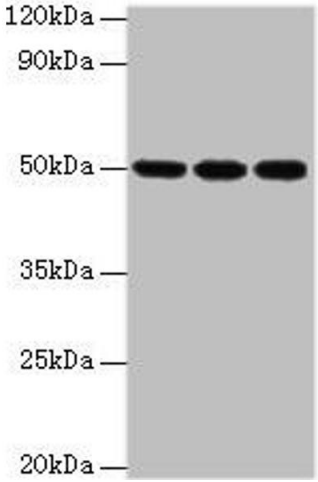
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



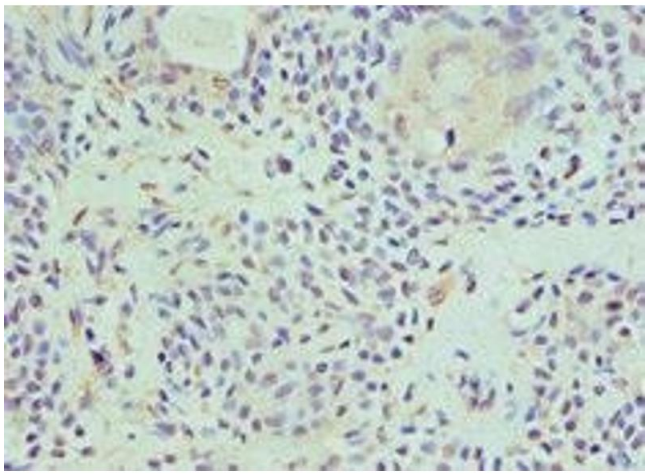
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7155290 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: HAT1 antibody at 3 µg/mL Lane 1: MCF-7 whole cell lysate Lane 2: 293T whole cell lysate Lane 3: HepG2 whole cell lysate Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 50, 40 kDa Observed band size: 50 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7155290 at dilution of 1:100

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