9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Histone acetyltransferase 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1051

Product Overview

Name	KD-Validated Anti-Histone acetyltransferase 1 Rabbit Monoclonal Antibody
Accession(Primary)	O14929
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human KAT1 / HAT1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 50 kDa , observed, 45 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (O14929)

Gene Name	HAT1
About Gene Symbol	HAT1 (Histone Acetyltransferase 1) is a histone acetyltransferase involved in chromatin remodeling and epigenetics. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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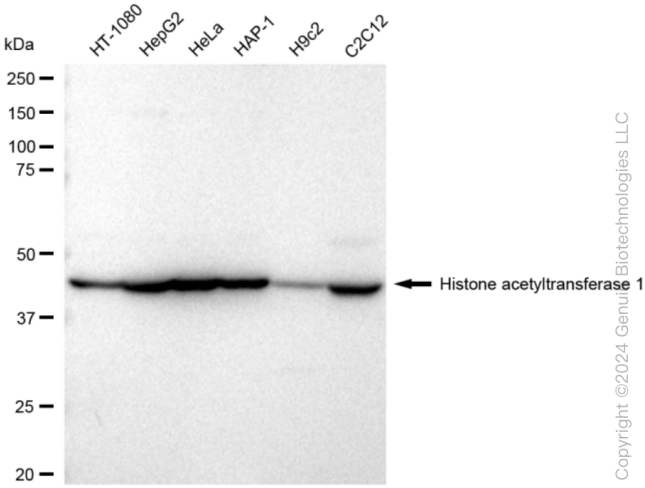

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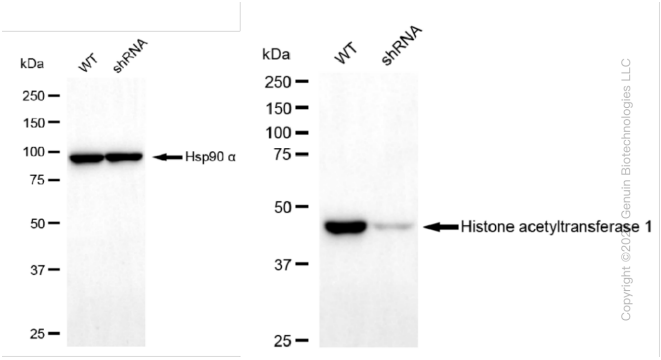
Western blotting analysis using anti-Histone acetyltransferase 1 antibody (Cat#ABG1051). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Histone acetyltransferase 1 antibody (Cat#ABG1051, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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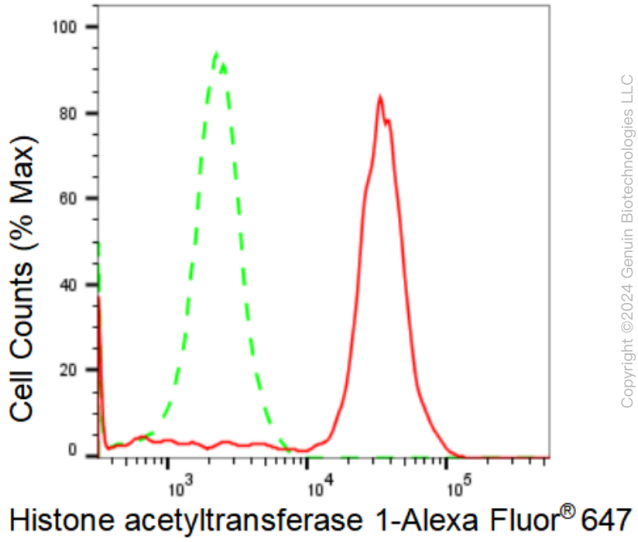
Western blotting analysis using anti-Histone acetyltransferase 1 antibody (Cat#ABG1051). Histone acetyltransferase 1 expression in wild type (WT) and histone acetyltransferase 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Histone acetyltransferase 1 antibody (Cat#ABG1051, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Histone acetyltransferase 1 expression in HeLa cells using Histone acetyltransferase 1 antibody (Cat#ABG1051, 1:2,000). Green, isotype control; red, Histone acetyltransferase 1.

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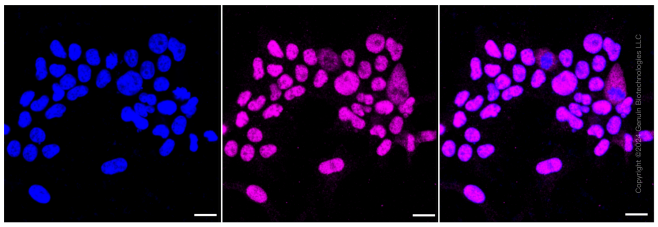

Immunocytochemical staining of Hela cells with Histone acetyltransferase 1 antibody (Cat#ABG1051, 1:1,000). Nuclei were stained blue with DAPI; Histone acetyltransferase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.