9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-HDAC3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1847

Product Overview

Name	KD-Validated Anti-HDAC3 Rabbit Monoclonal Antibody
Accession(Primary)	O15379
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human HDAC3
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 49 kDa , observed, 49 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 Immunocytochemical (IC): 1:1,000 Flow Cytometry (FCM): 1:2,000

Target information (O15379)

Gene Name	HDAC3
About Gene Symbol	HDAC3 (Histone Deacetylase 3) is a histone deacetylase involved in chromatin remodeling and epigenetics. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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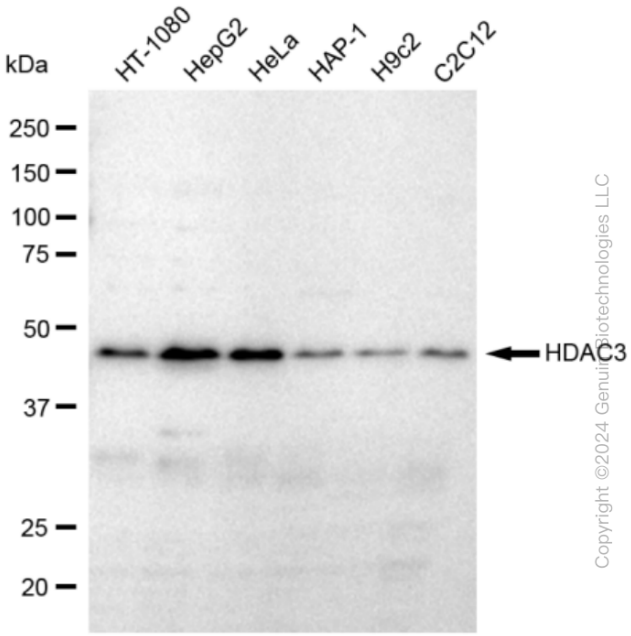
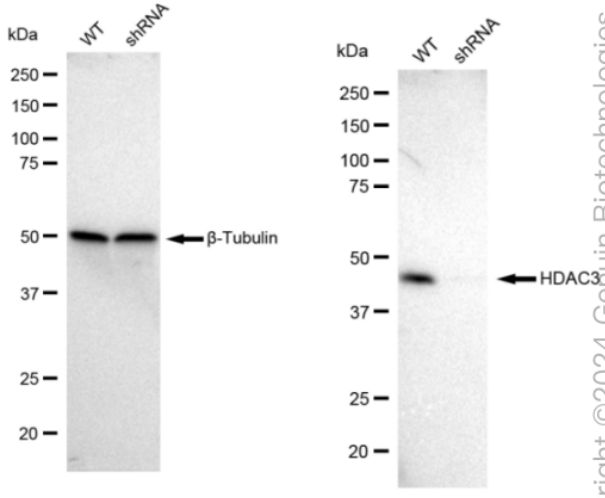
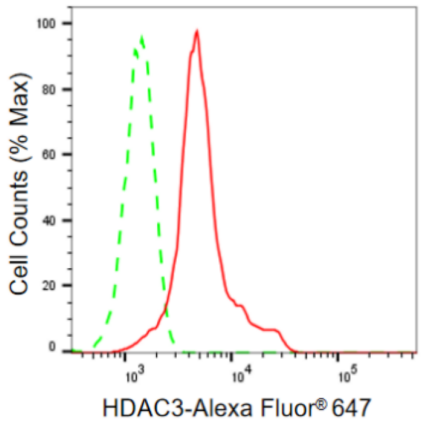


Western blotting analysis using anti-HDAC3 antibody (Cat#ABG1847). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-HDAC3 antibody (Cat#ABG1847, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-HDAC3 antibody (Cat#ABG1847). HDAC3 expression in wild type (WT) and HDAC3 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-HDAC3 antibody (Cat#ABG1847, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of HDAC3 expression in HepG2 cells using HDAC3 antibody (Cat#ABG1847,1:2,000). Green, isotype control; red, HDAC3.

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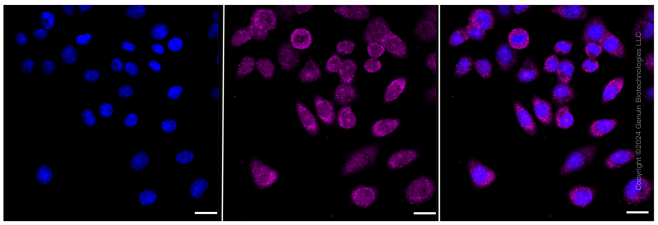

Immunocytochemical staining of HepG2 cells with HDAC3 antibody (Cat#ABG1847, 1:1,000). Nuclei were stained blue with DAPI; HDAC3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.