9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

KD-Validated Anti-HDAC4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1848

Product Overview

Name	KD-Validated Anti-HDAC4 Rabbit Monoclonal Antibody
Accession(Primary)	P56524
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human HDAC4
Species Reactivity	Human
Calculated MW	Predicted, 119 kDa, observed, 140 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 (P56524)

Gene Name	HDAC4
About Gene Symbol	HDAC4 (Histone Deacetylase 4) 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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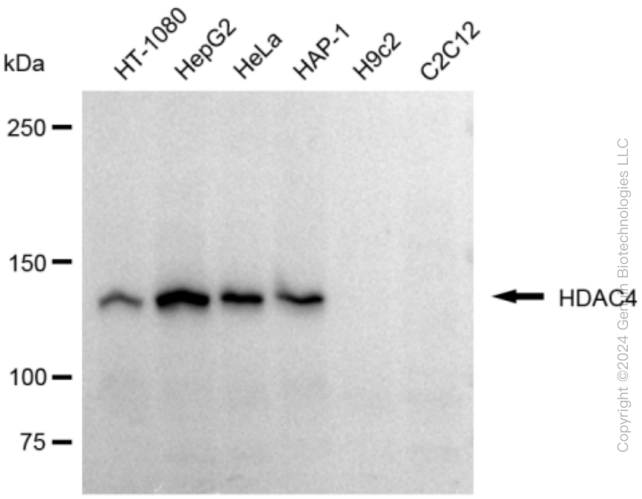

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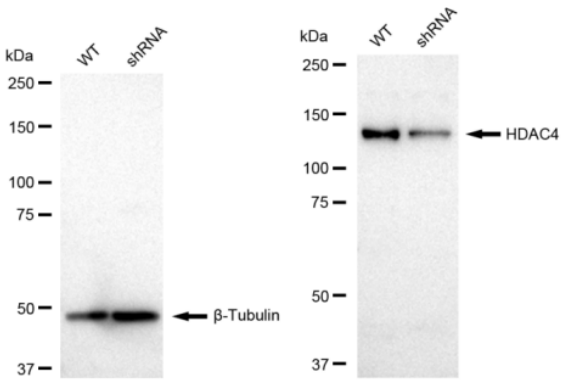
Western blotting analysis using anti-HDAC4 antibody (Cat#ABG1848). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-HDAC4 antibody (Cat#ABG1848, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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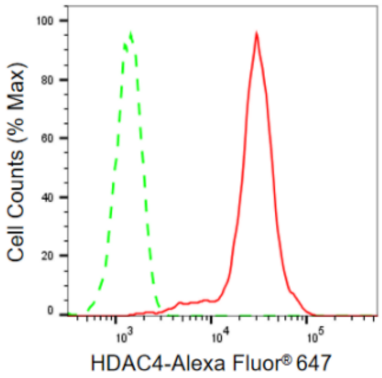
Western blotting analysis using anti-HDAC4 antibody (Cat#ABG1848). HDAC4 expression in wild type (WT) and HDAC4 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-HDAC4 antibody (Cat#ABG1848, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of HDAC4 expression in HepG2 cells using HDAC4 antibody (Cat#ABG1848, 1:2,000). Green, isotype control; red, HDAC4.

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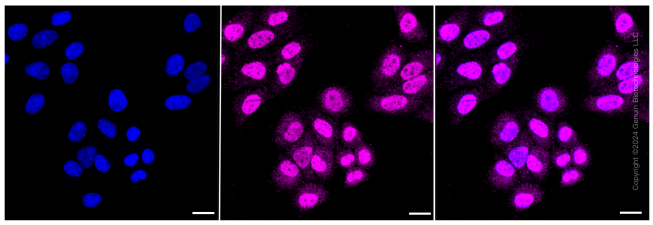

Immunocytochemical staining of HepG2 cells with HDAC4 antibody (Cat#ABG1848, 1:1,000). Nuclei were stained blue with DAPI; HDAC4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.