9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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KD-Validated Anti-Histone deacetylase 8 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1211

Product Overview

Name	KD-Validated Anti-Histone deacetylase 8 Rabbit Monoclonal Antibody
Accession(Primary)	Q9BY41
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human PKM2
Species Reactivity	Human
Calculated MW	Predicted, 42 kDa; observed, 42 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:4,000-1:20,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

Target information (Q9BY41)

Gene Name	HDAC8
About Gene Symbol	HDAC8 (Histone Deacetylase 8) 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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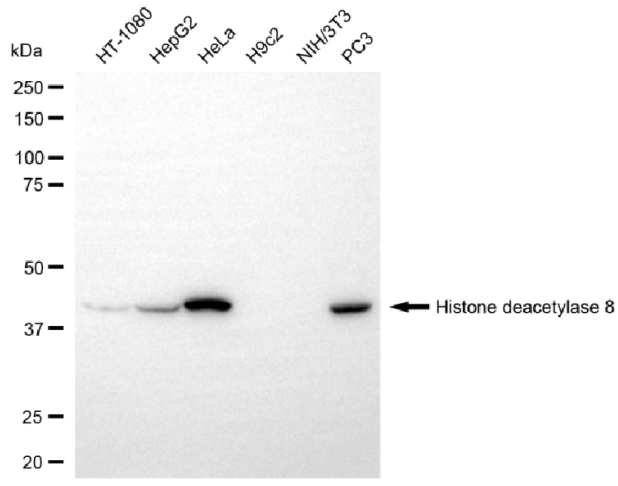

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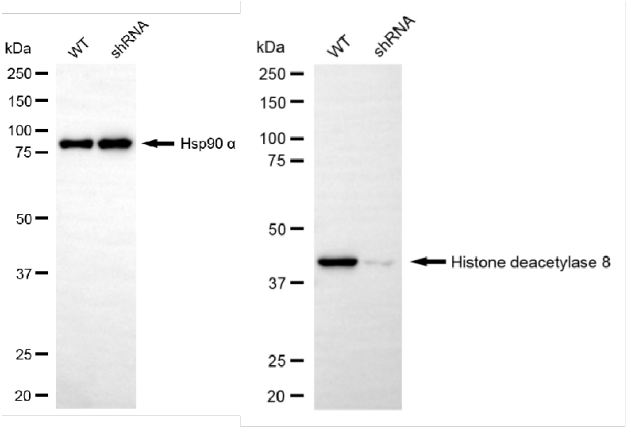
Western blotting analysis using anti-histone deacetylase 8 antibody (Cat#ABG1211). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-histone deacetylase 8 antibody (Cat#ABG1211, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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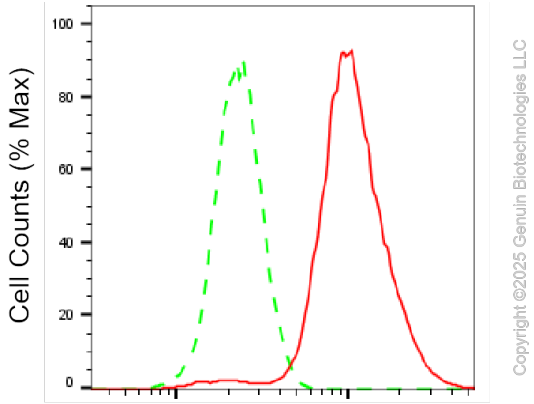
Western blotting analysis using anti-histone deacetylase 8 antibody (Cat#ABG1211). Histone deacetylase 8 expression in wild-type (WT) and histone deacetylase 8 (HDAC8) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-histone deacetylase 8 antibody (Cat#ABG1211, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Histone deacetylase 8 expression in HeLa cells using Histone deacetylase 8 antibody (Cat#ABG1211, 1:2,000). Green, isotype control; red, Histone deacetylase 8.

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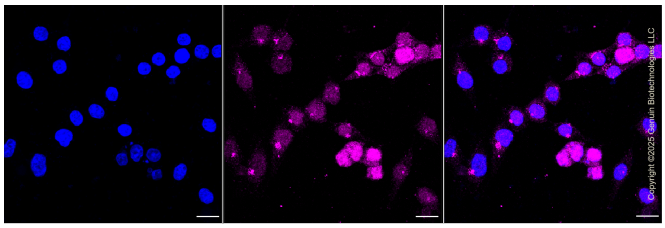

Immunocytochemical staining of HeLa cells with anti-Histone deacetylase 8 antibody (Cat#ABG1211, 1:1,000). Nuclei were stained blue with DAPI; Histone deacetylase 8 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.