

KD-Validated Anti-HDAC4 Recombinant Rabbit Monoclonal Antibody



Catalog #: 63244

Aliases

Histone Deacetylase 4; HD4; KIAA0288; HDAC-A; HA6116; HDAC-4; HDACA; EC 3.5.1.98; BDMR; Brachydactyly-Mental Retardation Syndrome; Histone Deacetylase A; NEDCHID; NEDCHF; AHO3

Background

Gene Name: HDAC4

NCBI Gene Entry: [9759](#)

UniProt Entry: [P56524](#)

Application Information

Molecular Weight: Predicted, 120 kDa, observed, 140 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB865

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human HDAC4

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

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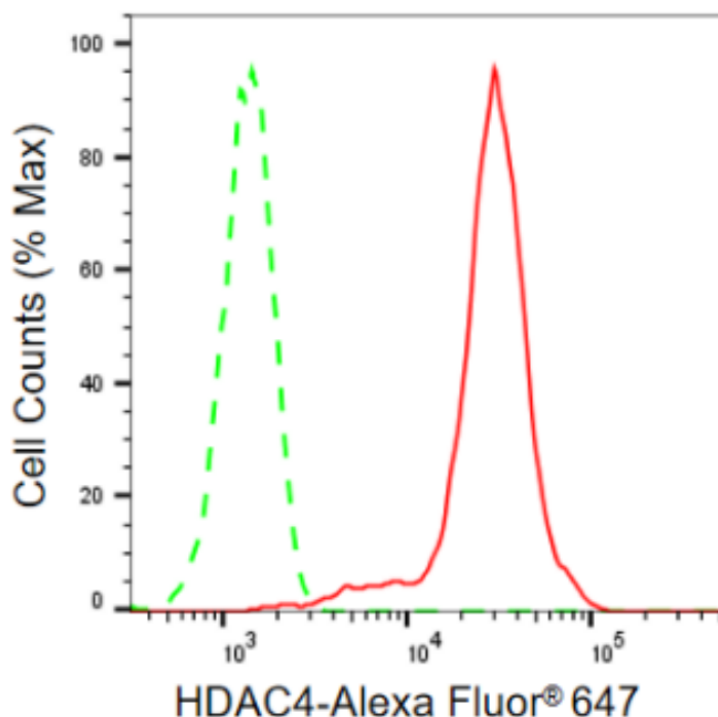
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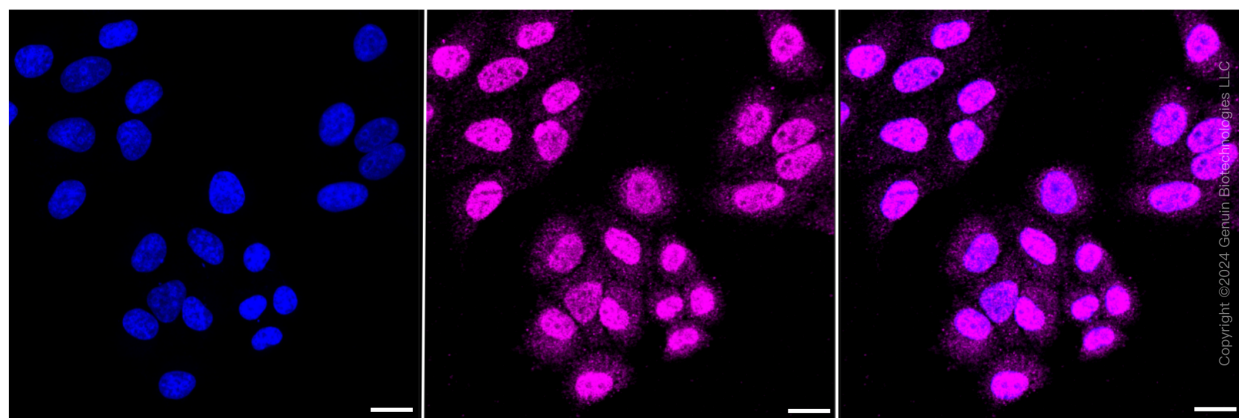
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Validation Data



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Flow cytometric analysis of HDAC4 expression in HepG2 cells using HDAC4 antibody (Cat#63244, 1:2,000). Green, isotype control; red, HDAC4.



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Immunocytochemical staining of HepG2 cells with HDAC4 antibody (Cat#63244, 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 μ m.

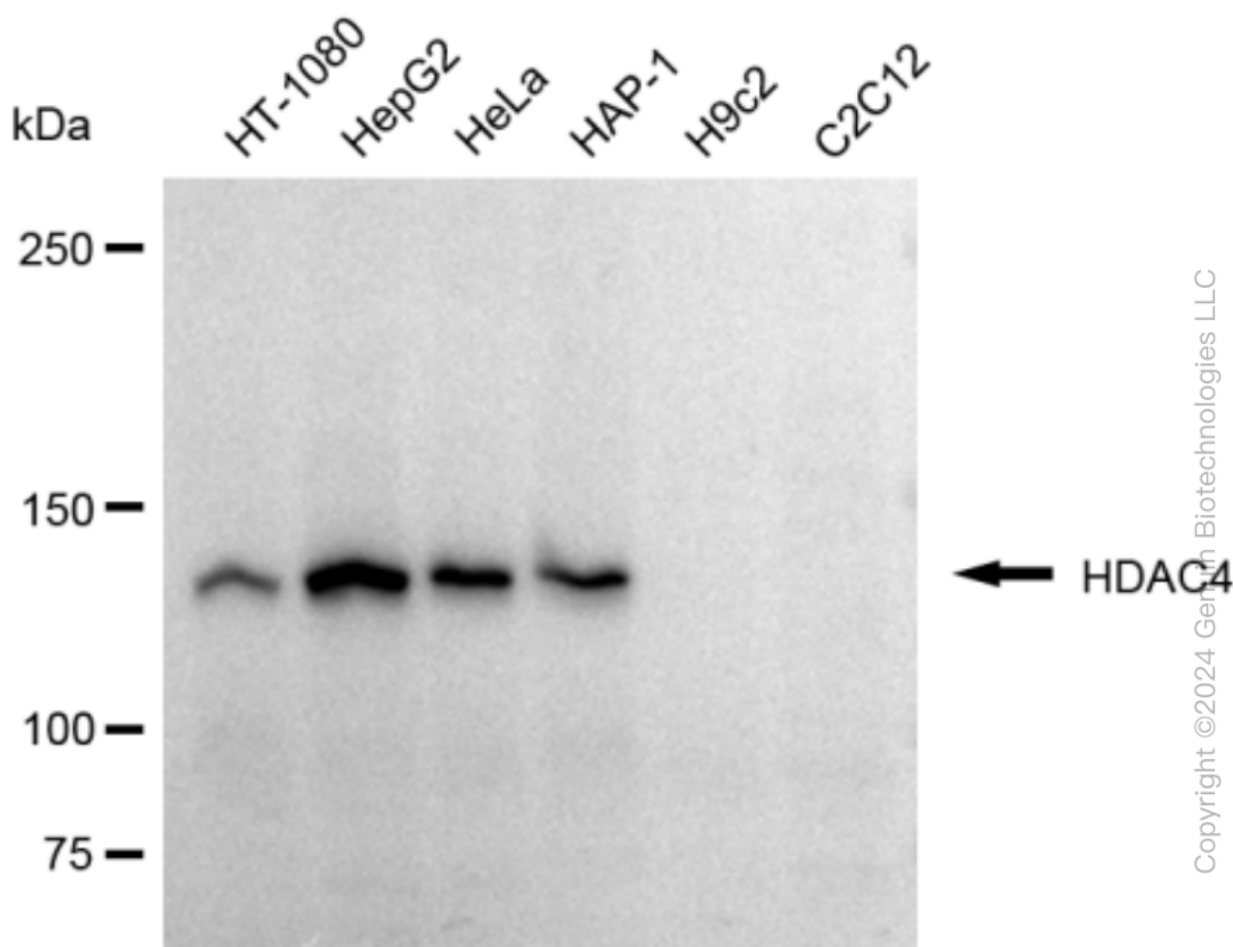
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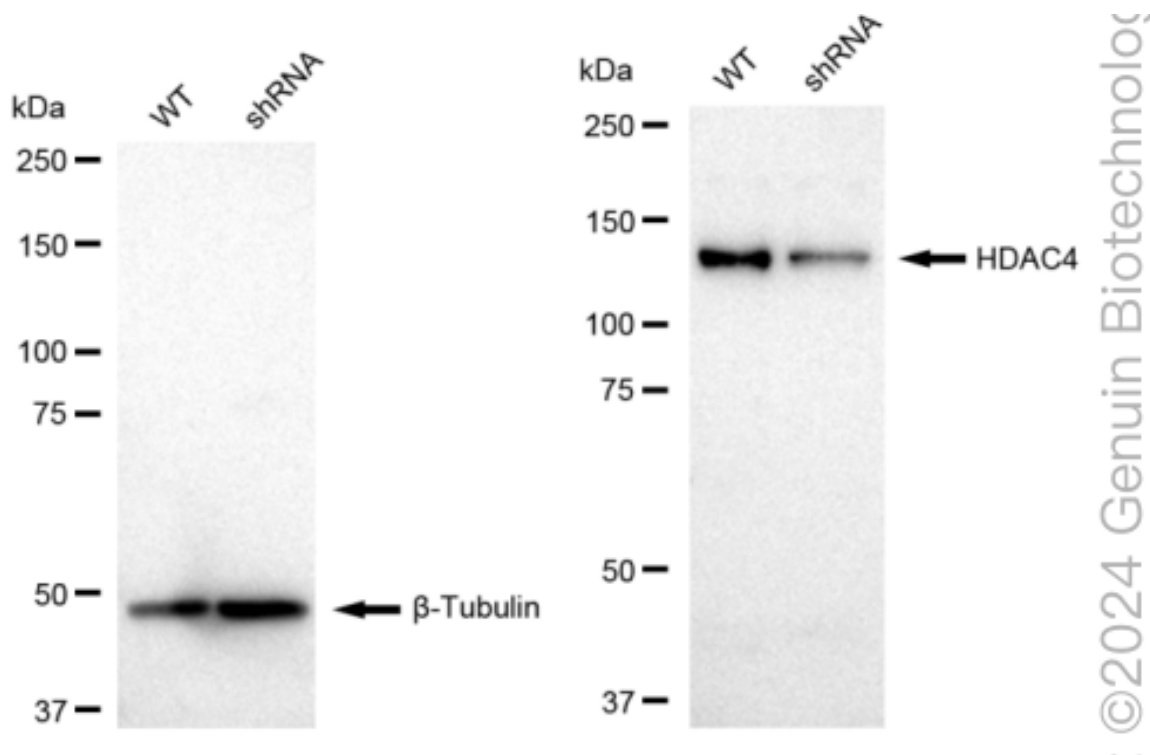
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Western blotting analysis using anti-HDAC4 antibody (Cat#63244). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-HDAC4 antibody (Cat#63244, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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Western blotting analysis using anti-HDAC4 antibody (Cat#63244). HDAC4 expression in wild type (WT) and HDAC4 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-HDAC4 antibody (Cat#63244, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQTM ECL Substrate Kit (Cat#226).

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