

KD-Validated Anti-HDAC3 Recombinant Rabbit Monoclonal Antibody



Catalog #: 63243

Aliases

Histone Deacetylase 3; RPD3-2; HD3 KDAC3; RPD3; Protein Deacetylase HDAC3; Protein Deacylase HDAC3; EC 3.5.1.98; SMAP45; EC 3.5.1.-

Background

Gene Name: HDAC3

NCBI Gene Entry: [8841](#)

UniProt Entry: [O15379](#)

Application Information

Molecular Weight: Predicted, 49 kDa, observed, 49 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB860

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human HDAC3

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.

Validation Data

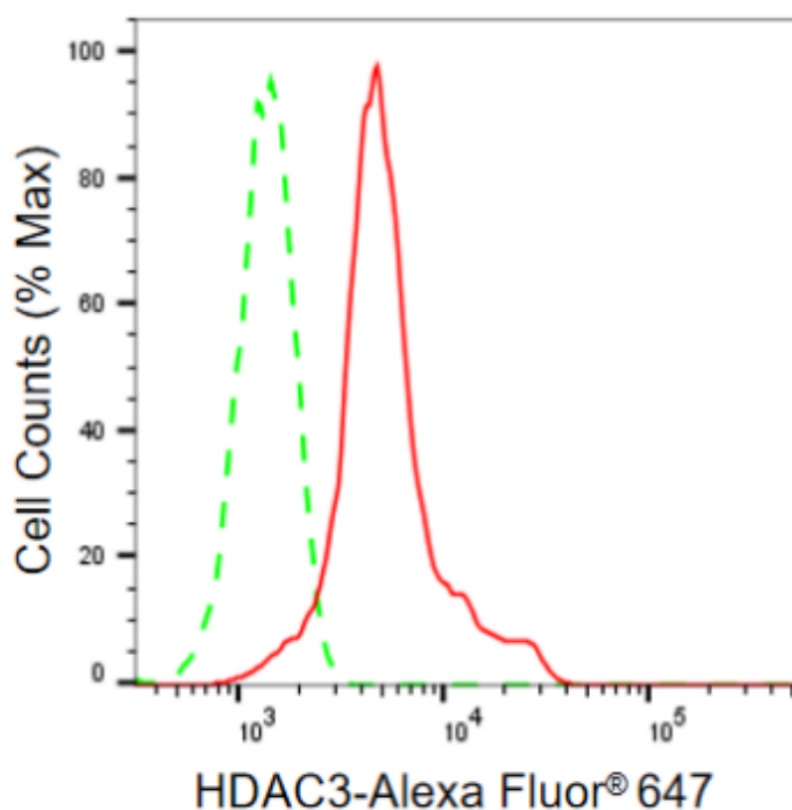
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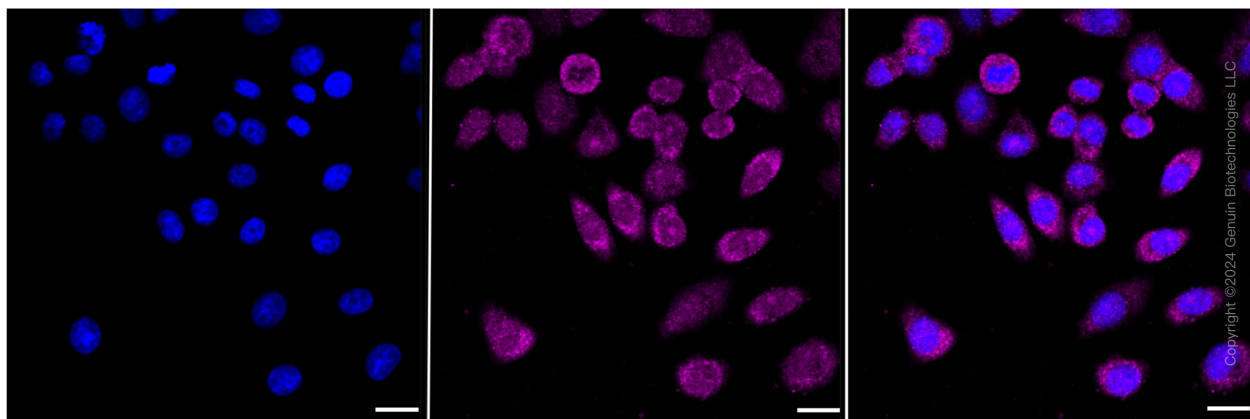
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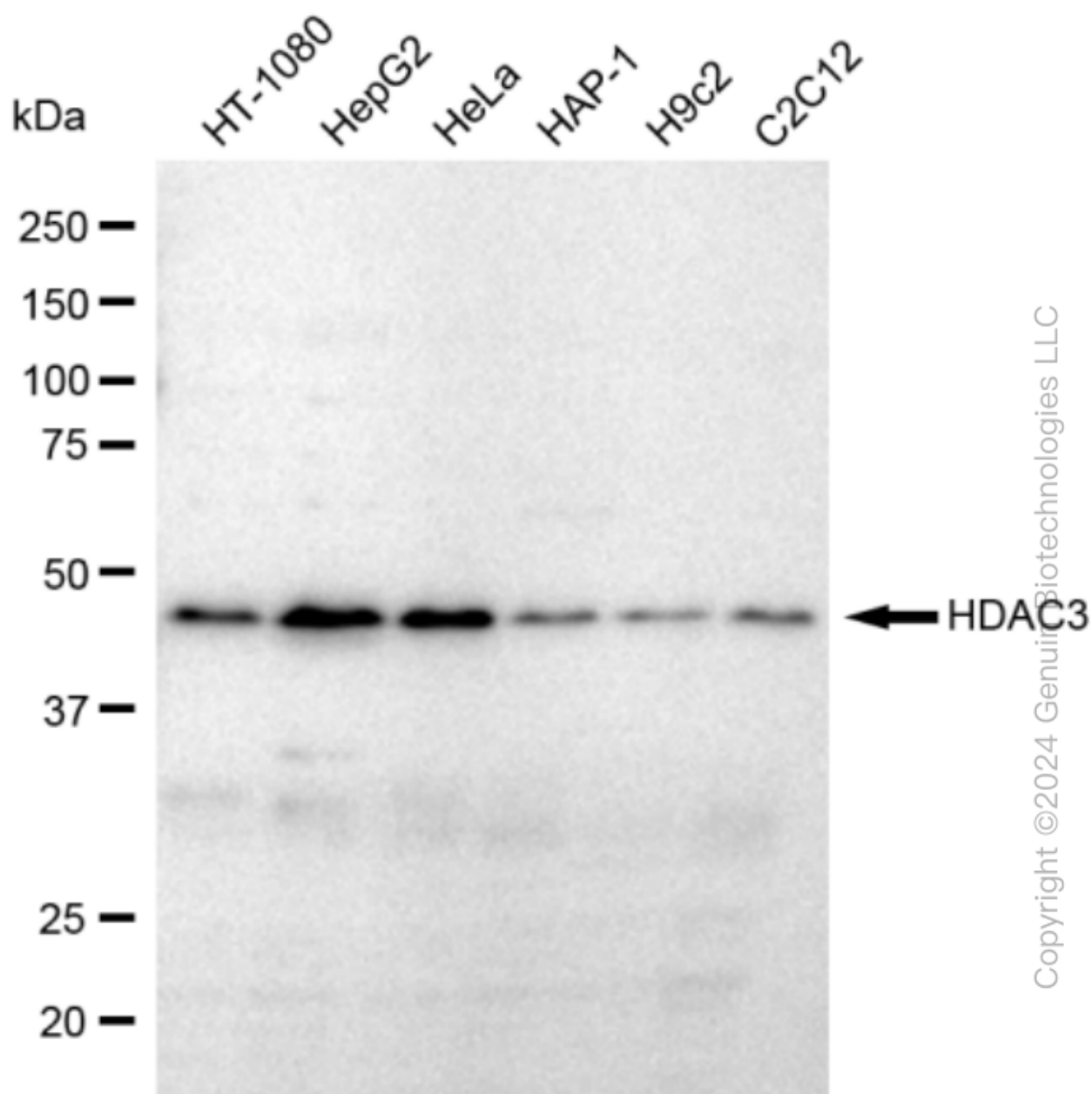


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Flow cytometric analysis of HDAC3 expression in HepG2 cells using HDAC3 antibody (Cat#63243, 1:2,000). Green, isotype control; red, HDAC3.



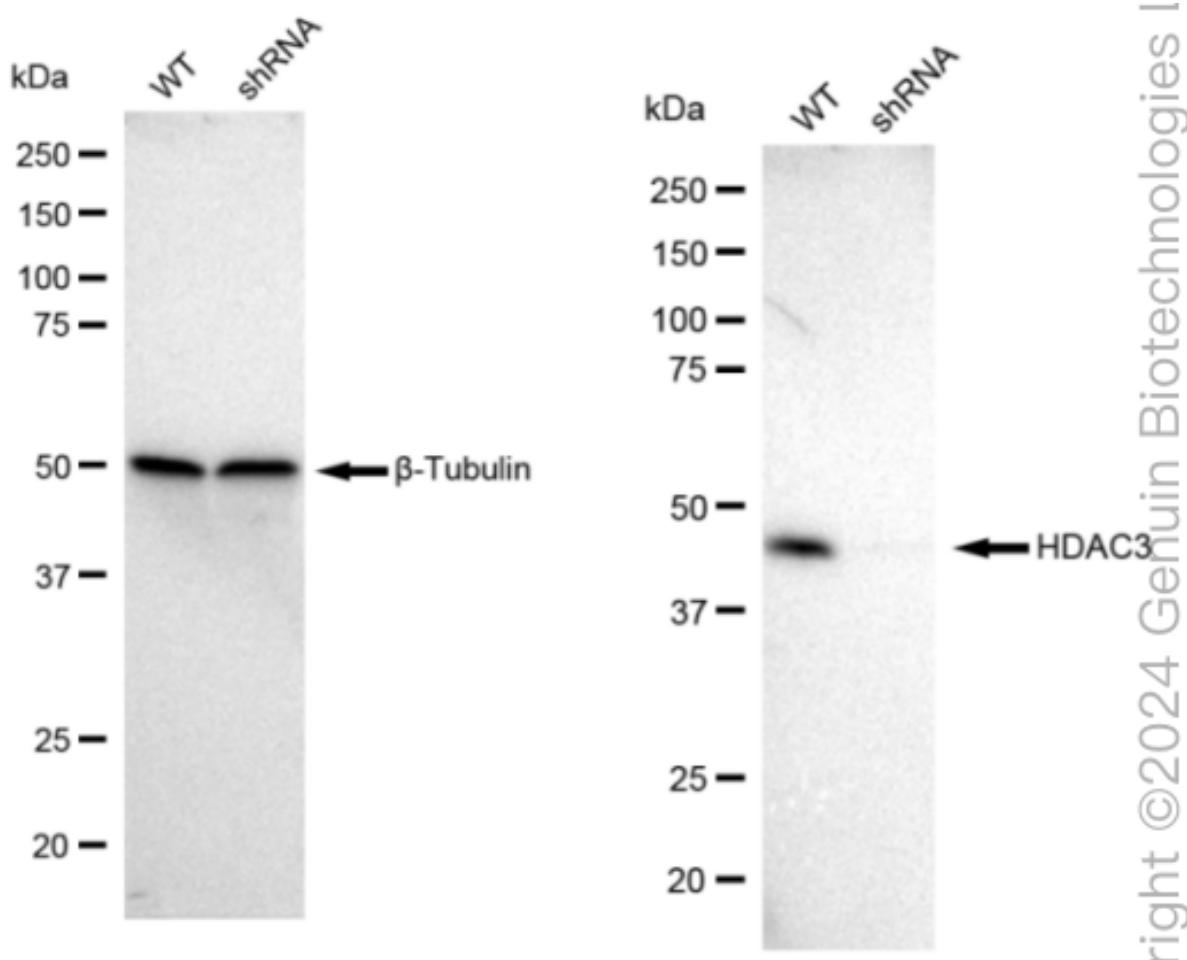
Immunocytochemical staining of HepG2 cells with HDAC3 antibody (Cat#63243, 1:1,000). Nuclei were stained blue with DAPI; HDAC3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 μ m.



Western blotting analysis using anti-HDAC3 antibody (Cat#63243). 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#63243, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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Western blotting analysis using anti-HDAC3 antibody (Cat#63243). 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#63243, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

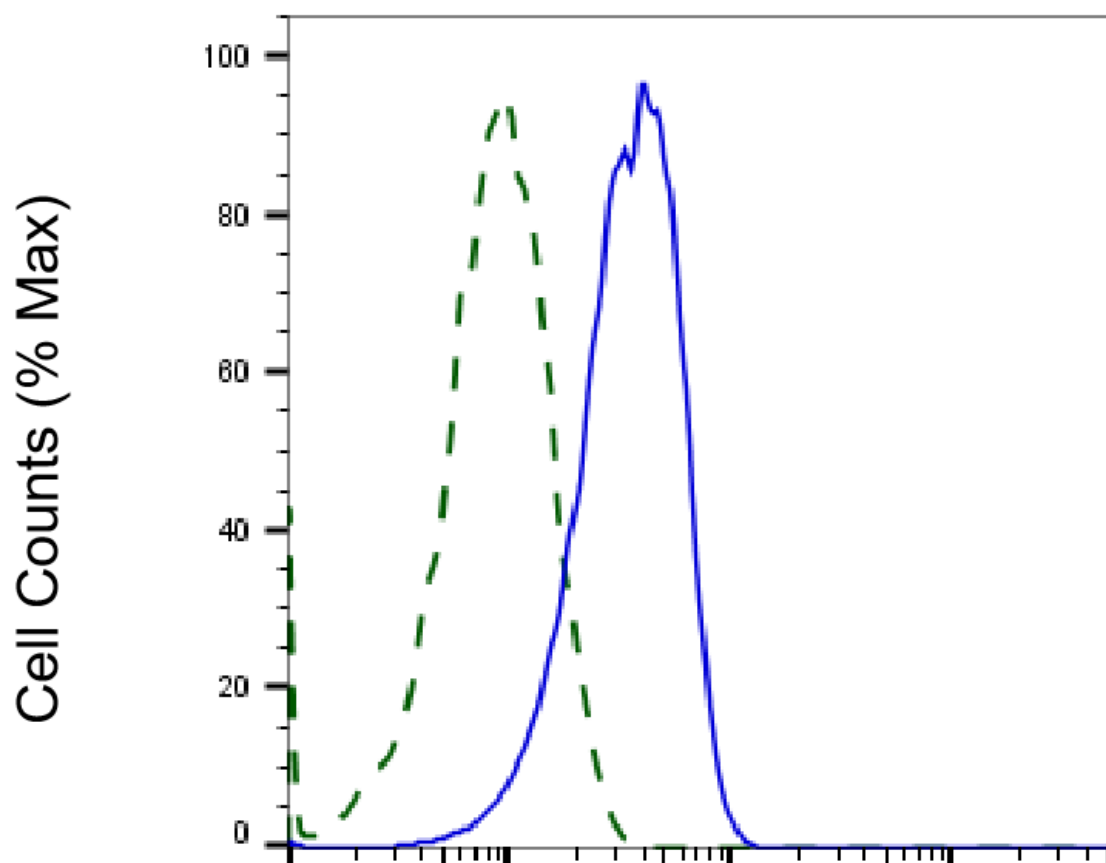
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HDAC3-Alexa Fluor® 647

Validation of HDAC3 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-HDAC3 antibody (Cat#63243, 1:2,000) and analyzed using CytoFLEX.