9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Chromodomain helicase DNA binding 4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1145

Product Overview

Name	KD-Validated Anti-Chromodomain helicase DNA binding 4 Rabbit Monoclonal Antibody
Accession(Primary)	Q14839
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human CHD4
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 218 kDa , observed, 260 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 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (Q14839)

Gene Name	CHD4
About Gene Symbol	CHD4 (Chromodomain Helicase DNA Binding Protein 4) is an epigenetic and nuclear regulatory protein involved in adaptive immunity. It is an important research target in epigenetic regulation, chromatin biology, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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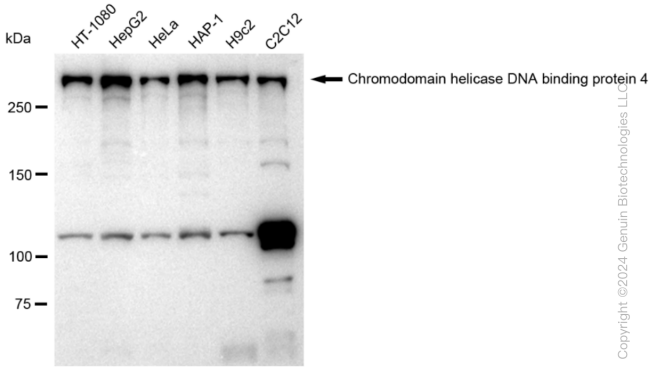

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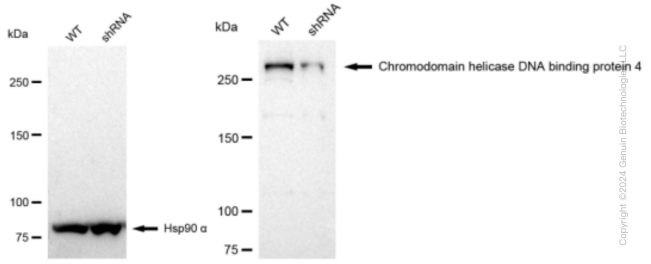
Western blotting analysis using anti-Chromodomain helicase DNA binding protein 4 antibody (Cat#ABG1145). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Chromodomain helicase DNA binding protein 4 antibody (Cat#ABG1145, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Western blotting analysis using anti-Chromodomain helicase DNA binding protein 4 antibody (Cat#ABG1145). Chromodomain helicase DNA binding protein 4 expression in wild type (WT) and Chromodomain helicase DNA binding protein 4 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Chromodomain helicase DNA binding protein 4 antibody (Cat#ABG1145, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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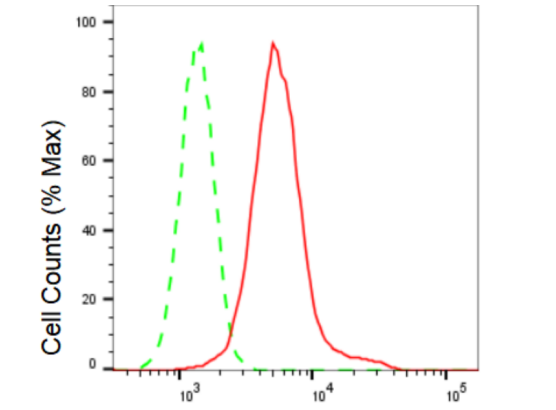

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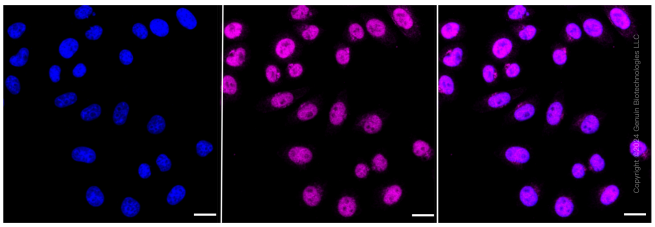
Flow cytometric analysis of Chromodomain helicase DNA binding protein 4 expression in HepG2 cells using Chromodomain helicase DNA binding protein 4 antibody (Cat#ABG1145, 1:2,000). Green, isotype control; red, Chromodomain helicase DNA binding protein 4.



Immunocytochemical staining of HepG2 cells with Chromodomain helicase DNA binding protein 4 antibody (Cat#ABG1145, 1:1,000). Nuclei were stained blue with DAPI; Chromodomain helicase DNA binding protein 4 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.