9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-Chromobox Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1303

Product Overview

Name	KD-Validated Anti-Chromobox Rabbit Monoclonal Antibody
Accession(Primary)	P45973
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human HP1 alpha
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 22 kDa; observed, 22 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

Target information (P45973)

Gene Name	CBX5
About Gene Symbol	CBX5 (Chromobox) is an epigenetic and nuclear regulatory protein involved in chromatin remodeling and epigenetics and 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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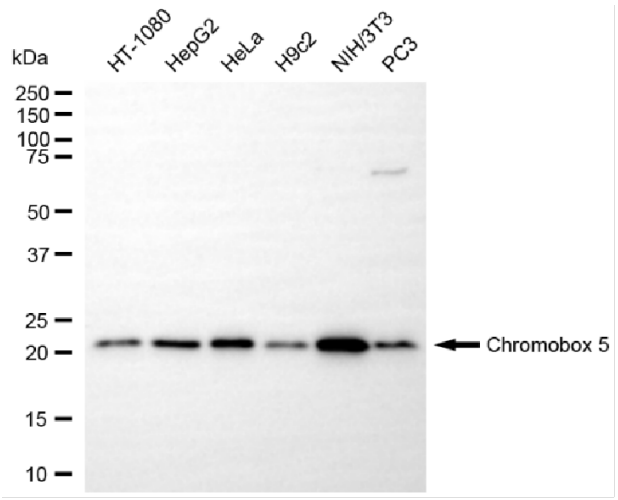

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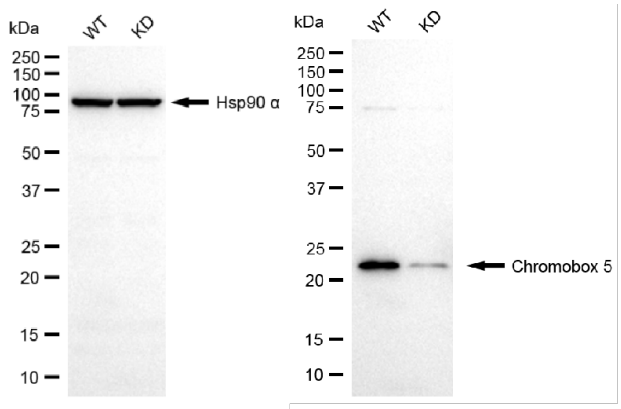
Western blotting analysis using anti-chromobox 5 antibody (Cat#ABG1303). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-chromobox 5 antibody (Cat#ABG1303, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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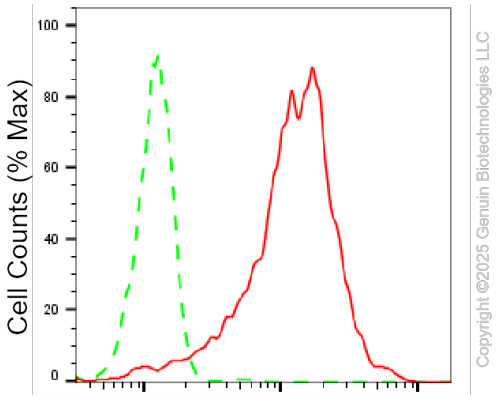
Western blotting analysis using anti-chromobox 5 antibody (Cat#ABG1303). Chromobox 5 expression in wild-type (WT) and chromobox 5 (CBX5) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-chromobox 5 antibody (Cat#ABG1303, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Chromobox 5 expression in HepG2 cells using anti-Chromobox 5 antibody (Cat#ABG1303, 1:2,000). Green, isotype control; red, Chromobox 5.

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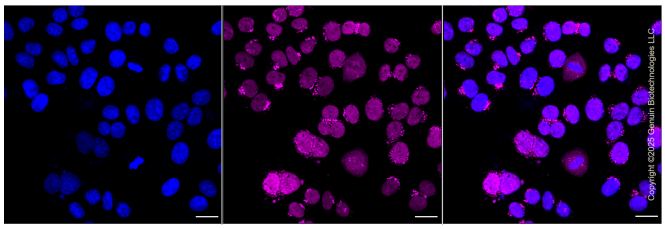

Immunocytochemical staining of HepG2 cells with anti-Chromobox 5 antibody (Cat#ABG1303, 1:1,000). Nuclei were stained blue with DAPI; Chromobox 5 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.