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

KD-Validated Anti-DNA Methyltransferase 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1798

Product Overview

Name	KD-Validated Anti-DNA Methyltransferase 1 Rabbit Monoclonal Antibody
Accession(Primary)	P26358
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Dnmt1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 183 kDa, o bserved , 200 k Da
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	WesternBlotting (WB):1:1,000-1:5,000 FlowCytometry(FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (P26358)

Gene Name	DNMT1
About Gene Symbol	DNMT1 (DNA Methyltransferase 1) is a methyltransferase involved in gene transcription and regulation. It is an important research target in gene regulation, development, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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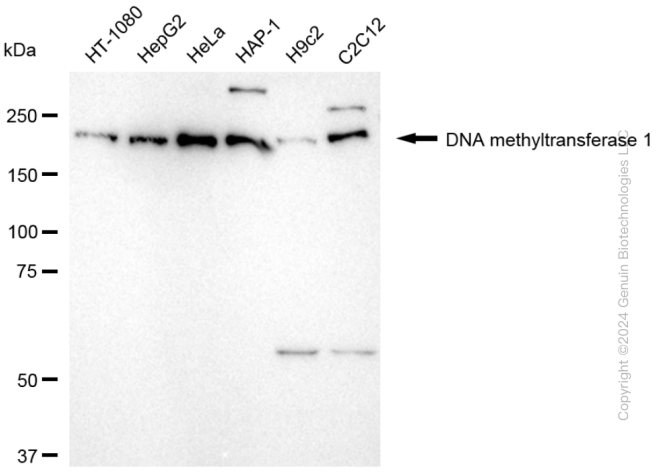

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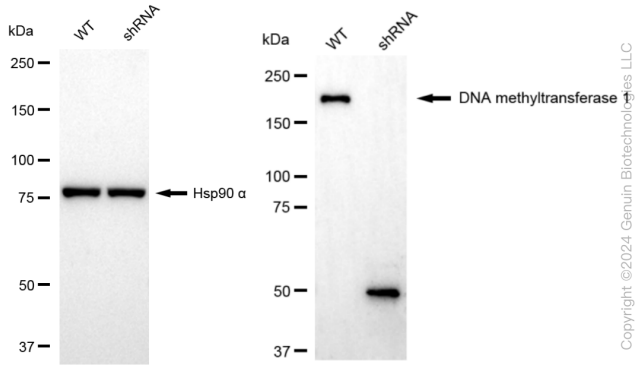
Western blotting analysis using anti-DNA methyltransferase 1 antibody (Cat#ABG1798). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-DNA methyltransferase 1 antibody (Cat#ABG1798, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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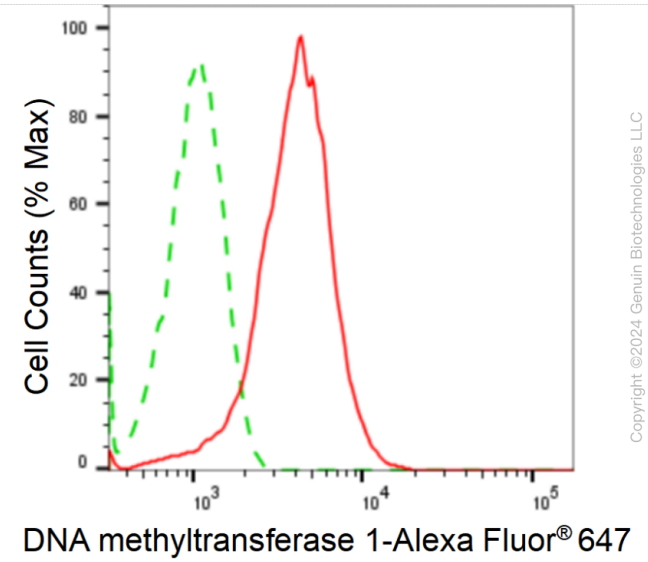
Western blotting analysis using anti-DNA methyltransferase 1 antibody (Cat#ABG1798). DNA methyltransferase 1 expression in wild type (WT) and DNA methyltransferase 1 (DNMT1) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-DNA methyltransferase 1 antibody (Cat#ABG1798, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of DNA methyltransferase 1 expression in HepG2 cells using anti-DNA methyltransferase 1 antibody (Cat#ABG1798, 1:2,000). Green, isotype control; red, DNA methyltransferase 1.

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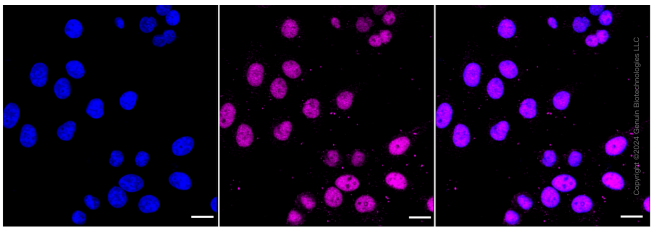

Immunocytochemical staining of HepG2 cells with DNA methyltransferase 1 antibody (Cat#ABG1798, 1:1,000). Nuclei were stained blue with DAPI; DNA methyltransferase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.