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

KD-Validated Anti-Thymidylate Synthase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1380

Product Overview

Name	KD-Validated Anti-Thymidylate Synthase Rabbit Monoclonal Antibody
Accession(Primary)	P04818
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Thymidylate Synthase
Species Reactivity	Human, Mouse
Calculated MW	Predicted, 36 kDa; observed, 36 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 (P04818)

Gene Name	TYMS
About Gene Symbol	TYMS (Thymidylate Synthetase) is a biosynthetic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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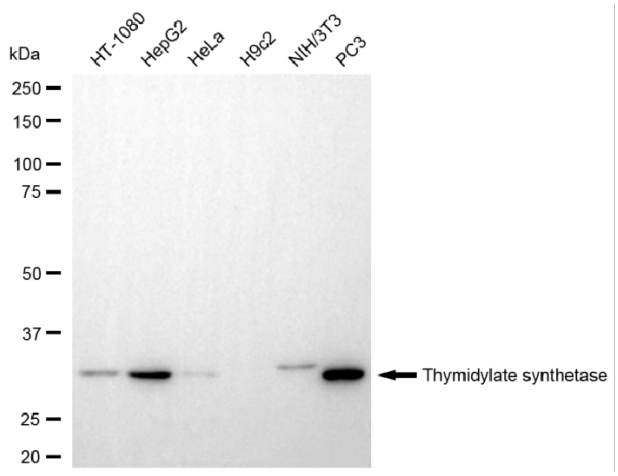

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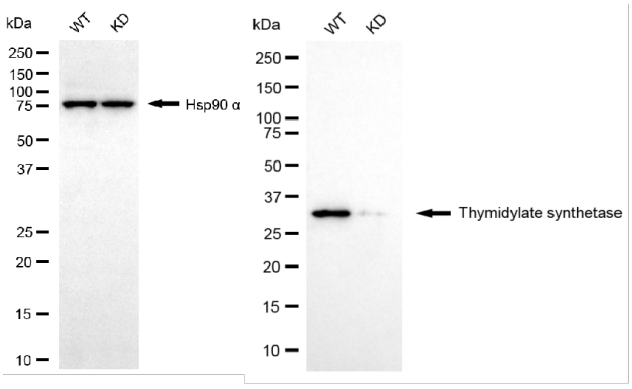
Western blotting analysis using anti-thymidylate synthetase antibody (Cat#ABG1380). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-thymidylate synthetase antibody (Cat#ABG1380, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



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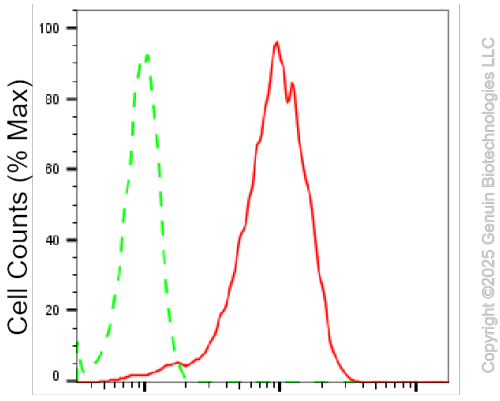
Western blotting analysis using anti-thymidylate synthetase antibody (Cat#ABG1380). Thymidylate synthetase expression in wild type (WT) and thymidylate synthetase (TYMS) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-thymidylate synthetase antibody (Cat#ABG1380, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Thymidylate synthetase-Alexa Fluor® 647

Flow cytometric analysis of Thymidylate synthetase expression in HepG2 cells using anti-Thymidylate synthetase antibody (Cat#ABG1380, 1:2,000). Green, isotype control; red, Thymidylate synthetase.

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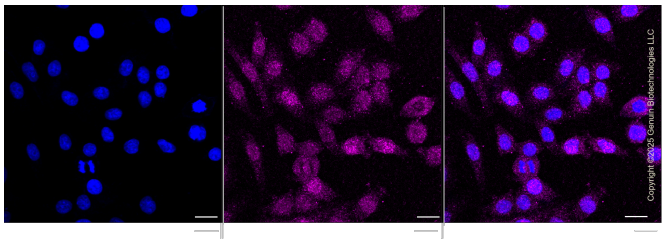

Immunocytochemical staining of HepG2 cells with anti-Thymidylate synthetase antibody (Cat#ABG1380, 1:1,000). Nuclei were stained blue with DAPI; Thymidylate synthetase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.