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

KD-Validated Anti-Thymidine Kinase 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1431

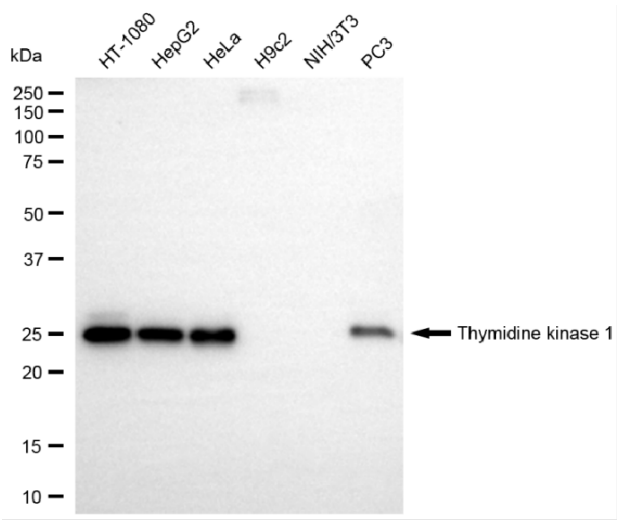
Product Overview

Name	KD-Validated Anti-Thymidine Kinase 1 Rabbit Monoclonal Antibody
Accession(Primary)	P04183
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Thymidine Kinase 1
Species Reactivity	Human
Calculated MW	Predicted, 25 kDa; observed, 25 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:4,000-1:20,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

Target information (P04183)

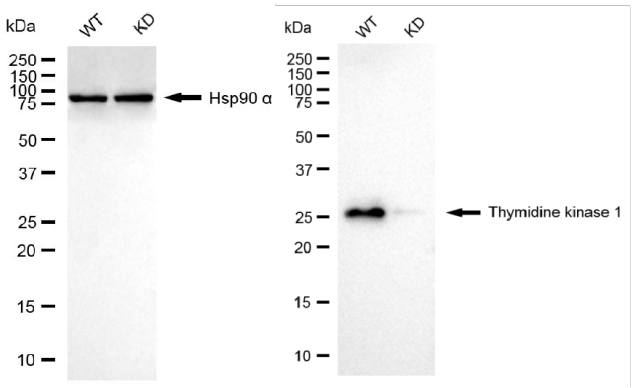
Gene Name	TK1
About Gene Symbol	TK1 (Thymidine Kinase 1) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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



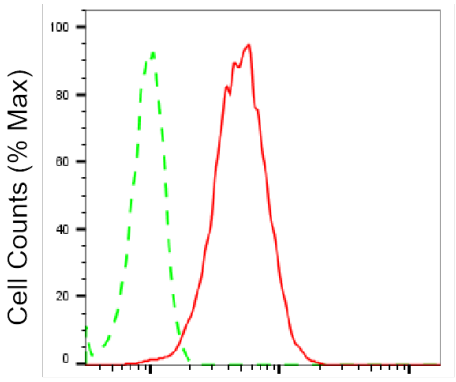
Copyright ©2025 Genuin Biotechnologies LLC

Western blotting analysis using anti-thymidine kinase 1 antibody (Cat#ABG1431). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-thymidine kinase 1 antibody (Cat#ABG1431, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Copyright ©2025 Genuin Biotechnologies LLC

Western blotting analysis using anti-thymidine kinase 1 antibody (Cat#ABG1431). Thymidine kinase 1 expression in wild type (WT) and thymidine kinase 1 (TK1) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-thymidine kinase 1 antibody (Cat#ABG1431, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

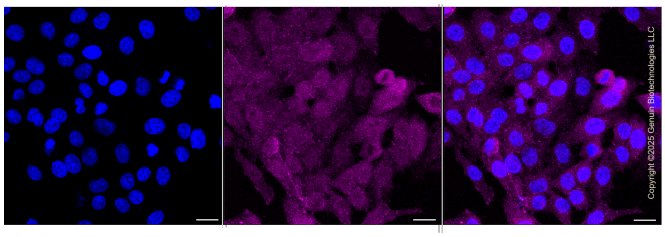


Copyright ©2025 Genuin Biotechnologies LLC

Thymidine kinase 1-Alexa Fluor® 647

Flow cytometric analysis of Thymidine kinase 1 expression in HepG2 cells using anti-Thymidine kinase 1 antibody (Cat#ABG1431, 1:2,000). Green, isotype control; red, Thymidine kinase 1.

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



Immunocytochemical staining of HepG2 cells with anti-Thymidine kinase 1 antibody (Cat#ABG1431, 1:1,000). Nuclei were stained blue with DAPI; Thymidine kinase 1 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.