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

KD-Validated Anti-Phospho-Chk1 (S280) Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1402

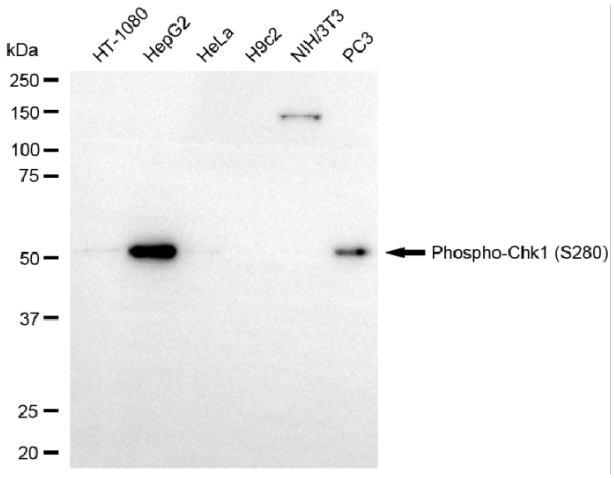
Product Overview

Name	KD-Validated Anti-Phospho-Chk1 (S280) Rabbit Monoclonal Antibody
Accession(Primary)	O14757
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Phospho-Chk1 (S280)
Species Reactivity	Human
Calculated MW	Predicted, 54 kDa; observed, 54 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 (O14757)

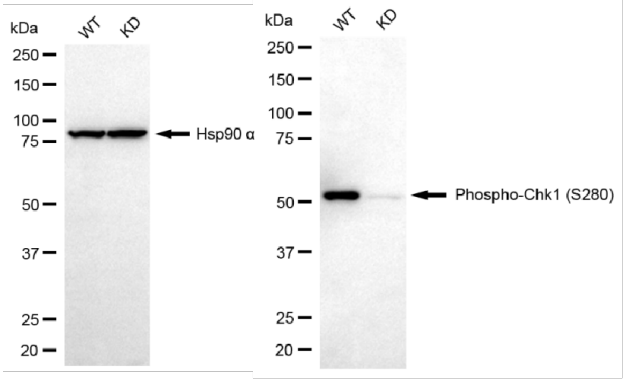
Gene Name	CHEK1
About Gene Symbol	CHEK1 (Checkpoint Kinase 1) is a serine/threonine protein kinase involved in cell cycle regulation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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



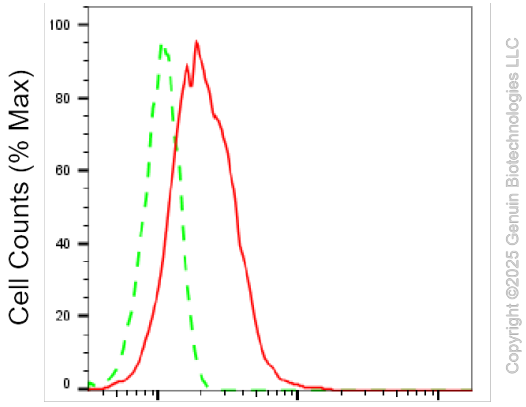
Copyright ©2025 Genuin Biotechnologies LLC

Western blotting analysis using anti-phospho-Chk1 (S280) antibody (Cat#ABG1402). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-phospho-Chk1 (S280) antibody (Cat#ABG1402, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Copyright ©2025 Genuin Biotechnologies LLC

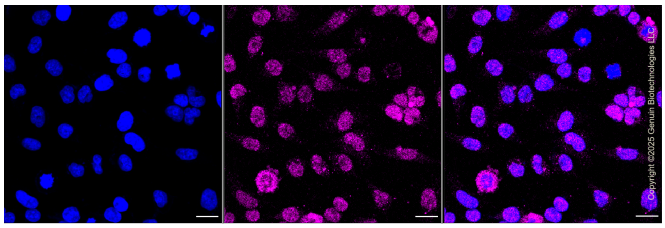
Western blotting analysis using anti-phospho-Chk1 (S280) antibody (Cat#ABG1402). Phospho-Chk1 (S280) expression in wild-type (WT) and CHEK1 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-phospho-Chk1 (S280) antibody (Cat#ABG1402, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Copyright ©2025 Genuin Biotechnologies LLC

Flow cytometric analysis of Phospho-Chk1 (S280) expression in HeLa cells using anti-Phospho-Chk1 (S280) antibody (Cat#ABG1402, 1:2,000). Green, isotype control; red, Phospho-Chk1 (S280).

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



Immunocytochemical staining of HeLa cells with anti-Phospho-Chk1 (S280) antibody (Cat#ABG1402, 1:1,000). Nuclei were stained blue with DAPI; Phospho-Chk1 (S280) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.