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

KD-Validated Anti-Checkpoint kinase 2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1175

Product Overview

Name	KD-Validated Anti-Checkpoint kinase 2 Rabbit Monoclonal Antibody
Accession(Primary)	O96017
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Chk2
Species Reactivity	Human
Calculated MW	Predicted, 61 kDa , observed, 62 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (O96017)

Gene Name	CHEK2
About Gene Symbol	CHEK2 (Checkpoint Kinase 2) 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.

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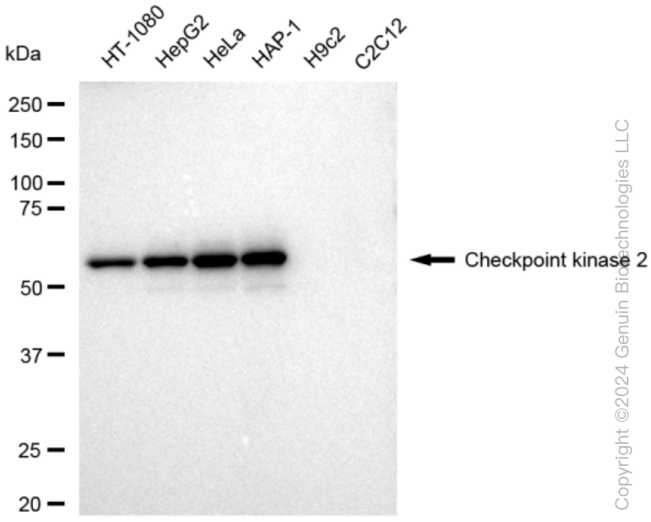

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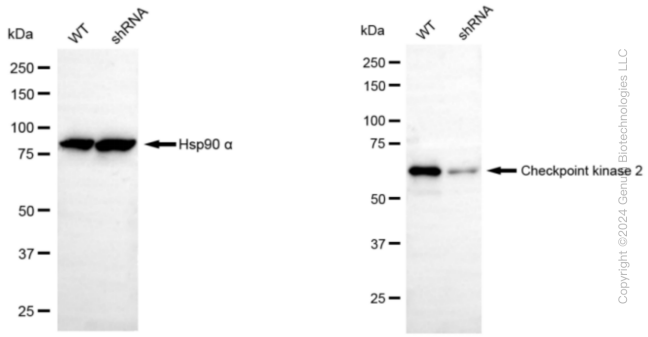
Western blotting analysis using anti-Checkpoint kinase 2 antibody (Cat#ABG1175). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Checkpoint kinase 2 antibody (Cat#ABG1175, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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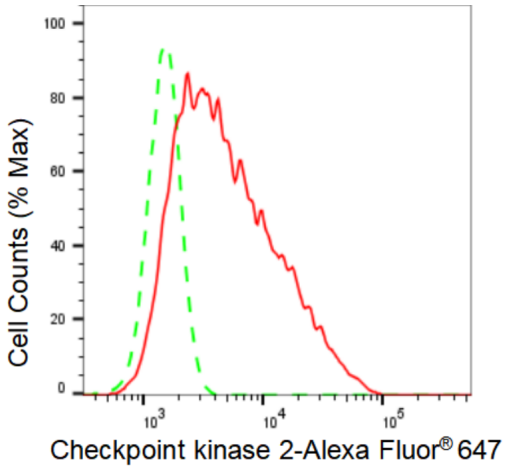
Western blotting analysis using anti-Checkpoint kinase 2 antibody (Cat#ABG1175). Checkpoint kinase 2 expression in wild type (WT) and Checkpoint kinase 2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Checkpoint kinase 2 antibody (Cat#ABG1175, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Checkpoint kinase 2 expression in HepG2 cells using Checkpoint kinase 2 antibody (Cat#ABG1175, 1:2,000). Green, isotype control; red, Checkpoint kinase 2.

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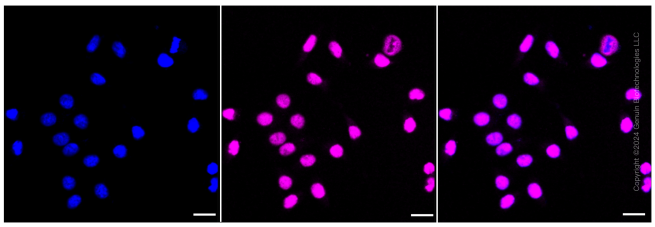

Immunocytochemical staining of HT-1080 cells with Checkpoint kinase 2 antibody (Cat#ABG1175, 1:1,000). Nuclei were stained blue with DAPI; Checkpoint kinase 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.