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

KD-Validated Anti-Cell Division Cycle 45 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1327

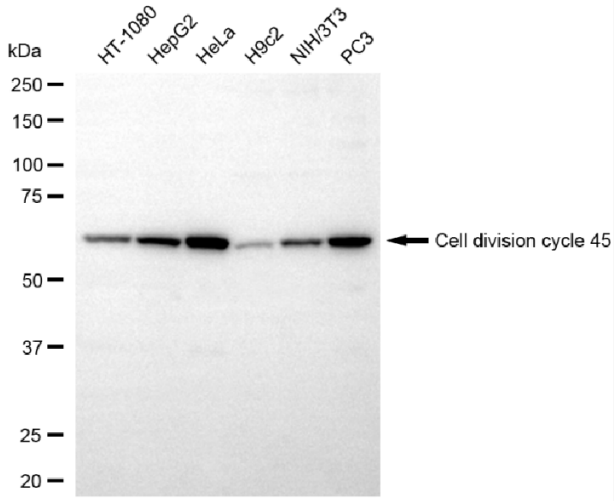
Product Overview

Name	KD-Validated Anti-Cell Division Cycle 45 Rabbit Monoclonal Antibody
Accession(Primary)	O75419
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human CDC45
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 66 kDa; observed, 65 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 (O75419)

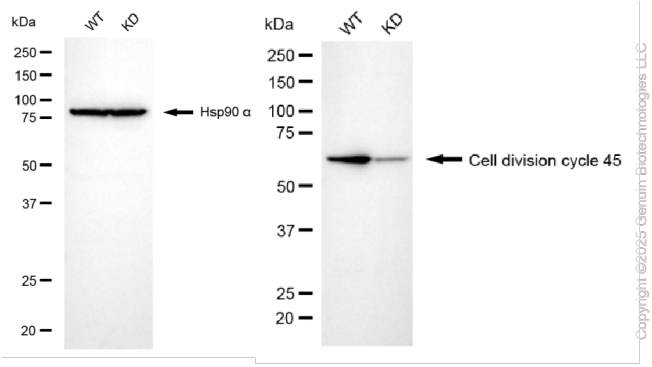
Gene Name	CDC45
About Gene Symbol	CDC45 (Cell Division Cycle 45) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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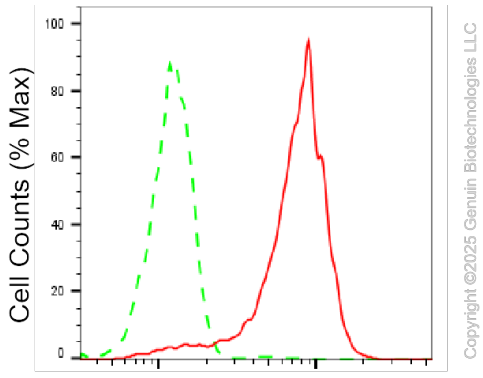
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Western blotting analysis using anti-cell division cycle 45 antibody (Cat#ABG1327). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-cell division cycle 45 antibody (Cat#ABG1327, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Western blotting analysis using anti-cell division cycle 45 antibody (Cat#ABG1327). Cell division cycle 45 expression in wild type (WT) and cell division cycle 45 (CDC45) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-cell division cycle 45 antibody (Cat#ABG1327, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

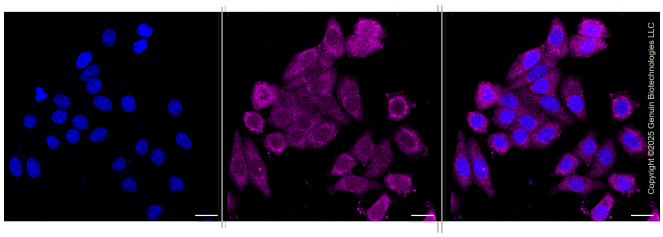


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Cell division cycle 45-Alexa Fluor® 647

Flow cytometric analysis of Cell division cycle 45 expression in HepG2 cells using anti-Cell division cycle 45 antibody (Cat#ABG1327, 1:2,000). Green, isotype control; red, Cell division cycle 45.

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Immunocytochemical staining of HepG2 cells with anti-Cell division cycle 45 antibody (Cat#ABG1327, 1:1,000). Nuclei were stained blue with DAPI; Cell division cycle 45 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.