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

KD-Validated Anti-CDC42 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1102

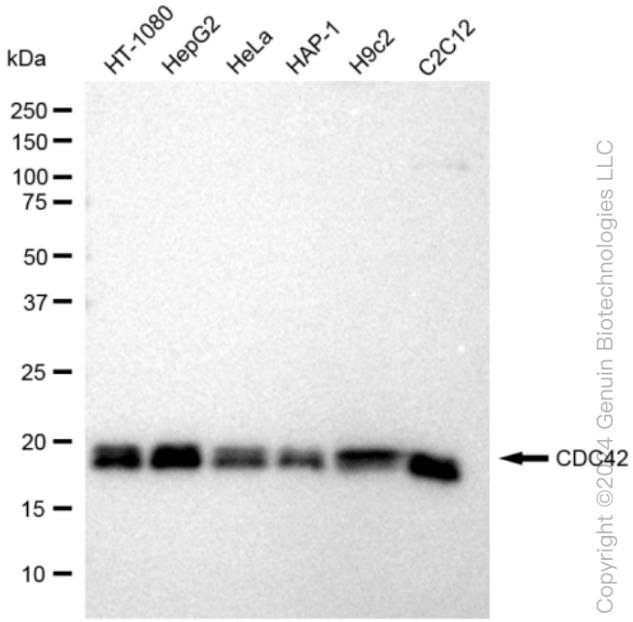
Product Overview

Name	KD-Validated Anti-CDC42 Rabbit Monoclonal Antibody
Accession(Primary)	P60953
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthetic peptide of human CDC42
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 21 kDa, observed, 21 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 Immunocytochemical (IC): 1:1,000

Target information (P60953)

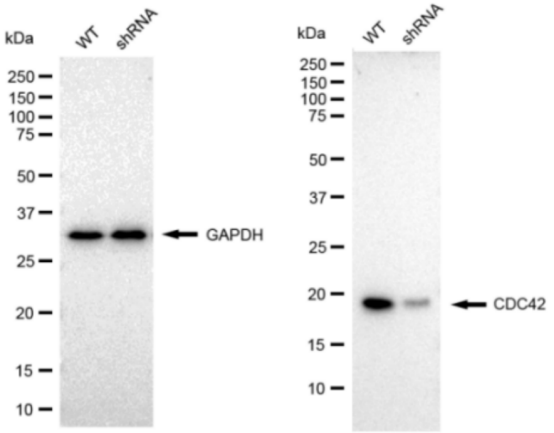
Gene Name	CDC42
About Gene Symbol	CDC42 (Cell Division Cycle 42) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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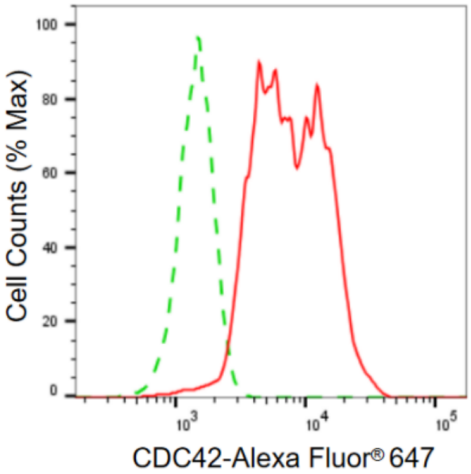
Western blotting analysis using anti-CDC42 antibody (Cat#ABG1102). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CDC42 antibody (Cat#ABG1102, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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Western blotting analysis using anti-CDC42 antibody (Cat#ABG1102). CDC42 expression in wild type (WT) and CDC42 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. GAPDH serves as a loading control. The blot was incubated with anti-CDC42 antibody (Cat#ABG1102, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.

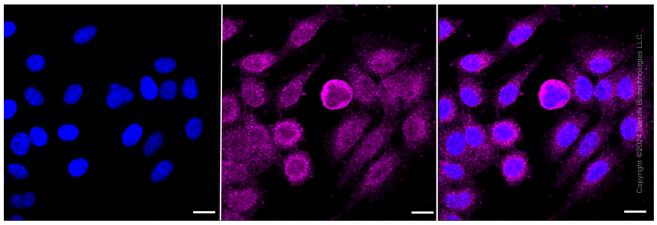
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Flow cytometric analysis of CDC42 expression in HepG2 cells using CDC42 antibody (Cat#ABG1102, 1:2,000). Green, isotype control; red, CDC42.

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Immunocytochemical staining of HepG2 cells with CDC42 antibody (Cat#ABG1102, 1:1,000). Nuclei were stained blue with DAPI; CDC42 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.