

KD-Validated Anti-ROCK1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

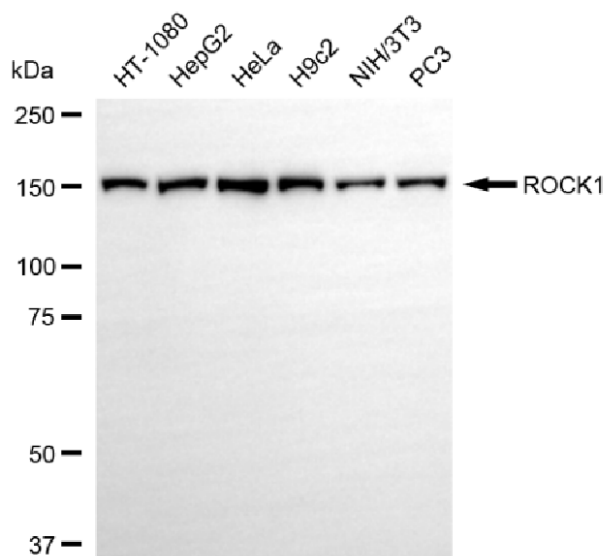
ABG1418

Product Overview

Name	KD-Validated Anti-ROCK1 Rabbit Monoclonal Antibody
Accession(Primary)	Q13464
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ROCK1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 158 kDa; observed, 158 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

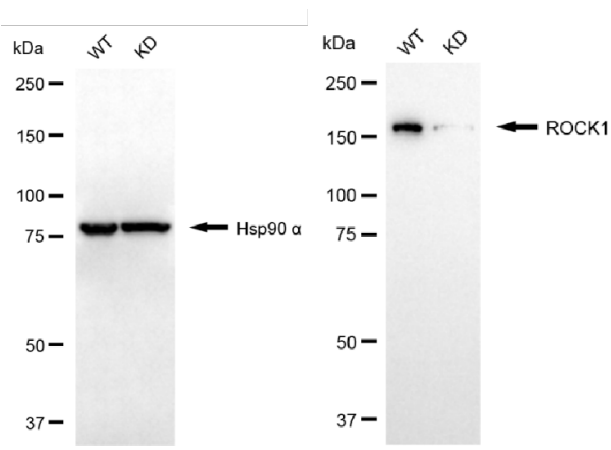
Target information (Q13464)

Gene Name	ROCK1
About Gene Symbol	ROCK1 (Rho Associated Coiled-Coil Containing Protein Kinase 1) is a Rho-associated protein kinase involved in adaptive immunity. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



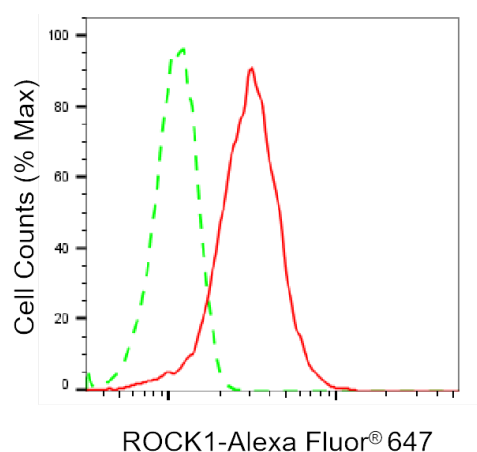
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Western blotting analysis using anti-ROCK1 antibody (Cat#ABG1418). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ROCK1 antibody (Cat#ABG1418, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



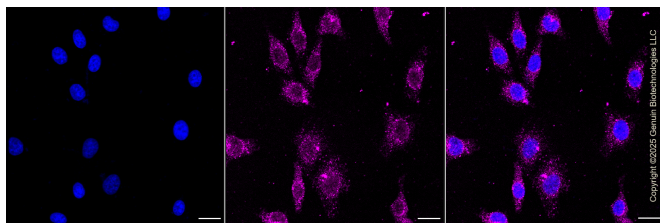
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Western blotting analysis using anti-ROCK1 antibody (Cat#ABG1418). ROCK1 expression in wild-type (WT) and ROCK1 knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ROCK1 antibody (Cat#ABG1418, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of ROCK1 expression in HepG2 cells using anti-ROCK1 antibody (Cat#ABG1418, 1:2,000). Green, isotype control; red, ROCK1.



Immunocytochemical staining of HepG2 cells with anti-ROCK1 antibody (Cat#ABG1418, 1:1,000).

Nuclei were stained blue with DAPI; ROCK1 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 μ m.