

KD-Validated Anti-ROCK2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

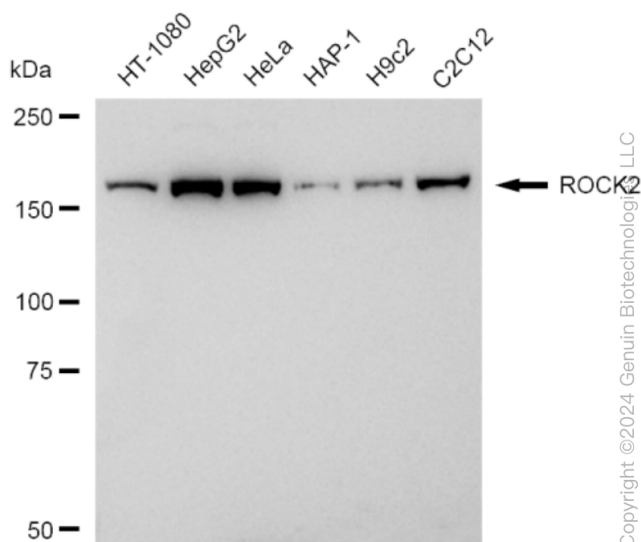
ABG1029

Product Overview

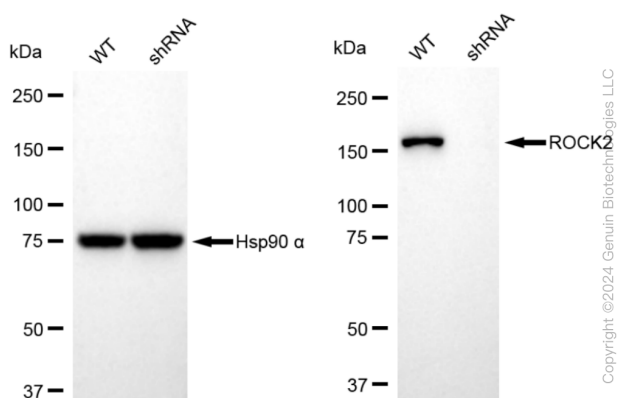
Name	KD-Validated Anti-ROCK2 Rabbit Monoclonal Antibody
Accession(Primary)	O75116
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ROCK2
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 161 kDa , observed, 161 kDa
Storage Buffer	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): 1:1,000

Target information (O75116)

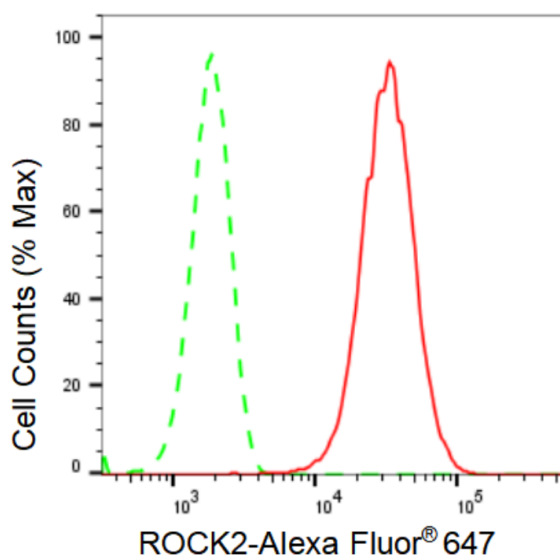
Gene Name	ROCK2
About Gene Symbol	ROCK2 (Rho Associated Coiled-Coil Containing Protein Kinase 2) is a Rho-associated protein kinase involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



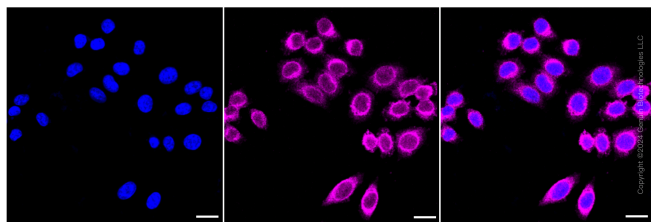
Western blotting analysis using anti-ROCK2 antibody (Cat#ABG1029). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ROCK2 antibody (Cat#ABG1029, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-ROCK2 antibody (Cat#ABG1029). ROCK2 expression in wild type (WT) and ROCK2 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-ROCK2 antibody (Cat#ABG1029, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of ROCK2 expression in HepG2 cells using ROCK2 antibody (Cat#ABG1029, 1:2,000). Green, isotype control; red, ROCK2.



Immunocytochemical staining of HepG2 cells with ROCK2 antibody (Cat#ABG1029, 1:1,000). Nuclei were stained blue with DAPI; ROCK2 cochaperone 3 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.