

KD-Validated Anti-Diaphanous related formin 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

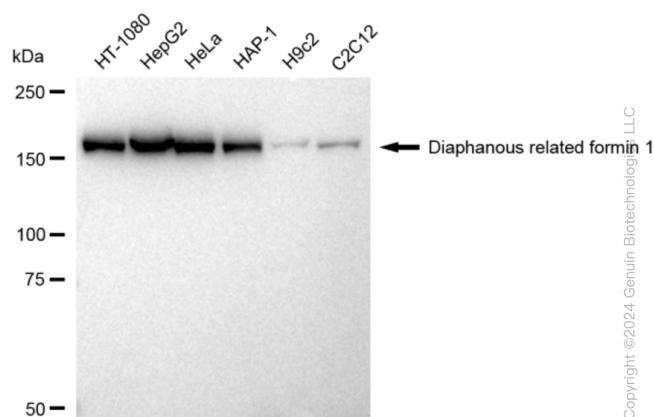
ABG1017

Product Overview

Name	KD-Validated Anti-Diaphanous related formin 1 Rabbit Monoclonal Antibody
Accession(Primary)	O60610
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human DIAPH1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 141 kDa , observed, 155 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

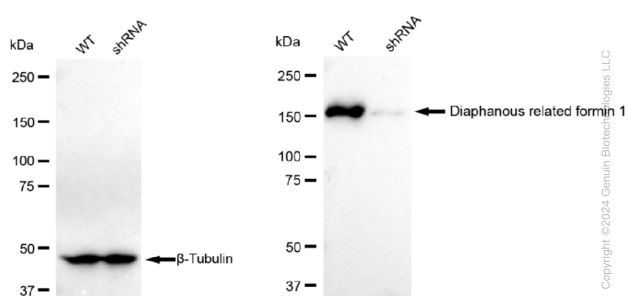
Target information (O60610)

Gene Name	DIAPH1
About Gene Symbol	DIAPH1 (Diaphanous Related Formin 1) is a formin actin nucleator involved in cytoskeletal organization. It is an important research target in cell biology, cancer metastasis, and cytoskeletal research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



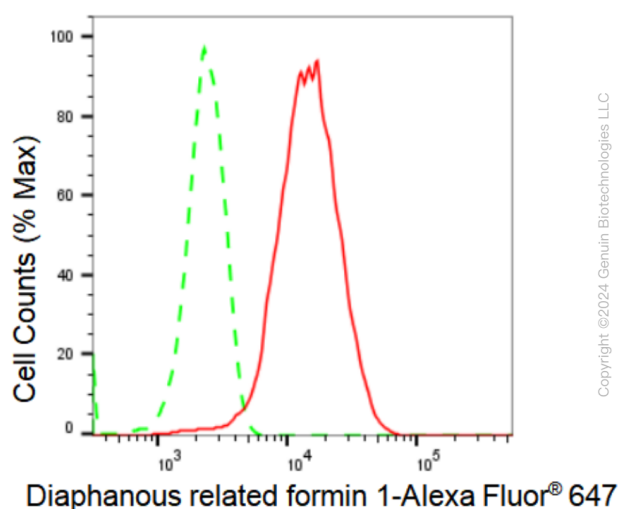
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Western blotting analysis using anti-Diaphanous related formin 1 antibody (Cat#ABG1017). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Diaphanous related formin 1 antibody (Cat#ABG1017, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



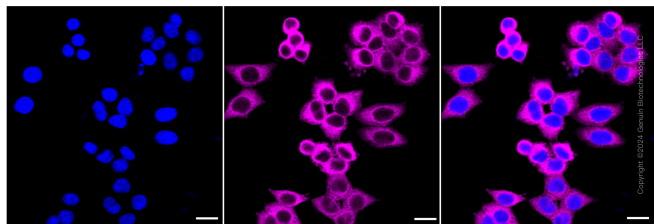
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Western blotting analysis using anti-Diaphanous related formin 1 antibody (Cat#ABG1017). Diaphanous related formin 1 expression in wild type (WT) and diaphanous related formin 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Diaphanous related formin 1 antibody (Cat#ABG1017, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Diaphanous related formin 1 expression in HepG2 cells using Diaphanous related formin 1 antibody (Cat#ABG1017, 1:2,000). Green, isotype control; red, Diaphanous related formin 1.



Immunocytochemical staining of HepG2 cells with Diaphanous related formin 1 antibody (Cat#ABG1017, 1:1,000). Nuclei were stained blue with DAPI; Diaphanous related formin 1 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.