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

KD-Validated Anti-Prohibitin Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1052

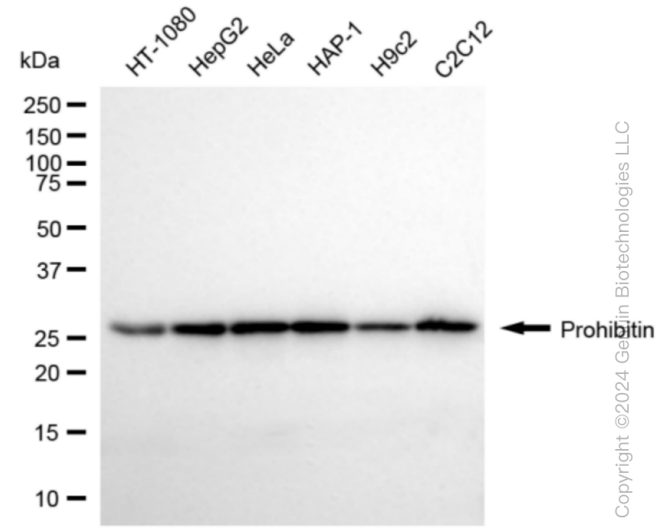
Product Overview

Name	KD-Validated Anti-Prohibitin Rabbit Monoclonal Antibody
Accession(Primary)	P35232
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Prohibitin
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 30 kDa, observed, 30 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): 1:100-1:1,000

Target information (P35232)

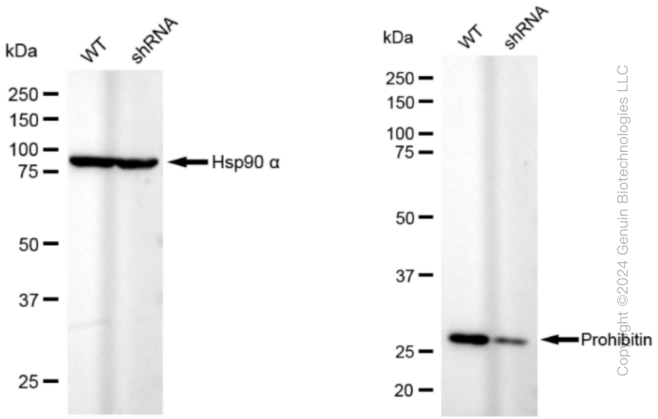
Gene Name	PHB1
About Gene Symbol	PHB1 (Prohibitin 1) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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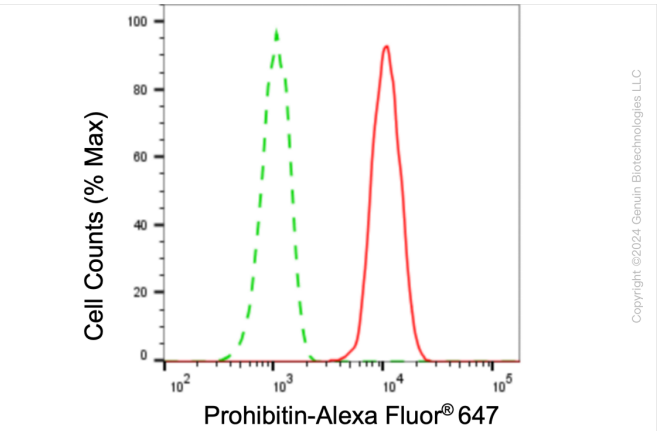
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Western blotting analysis using anti-prohibitin antibody (Cat#ABG1052). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-prohibitin antibody (Cat#ABG1052, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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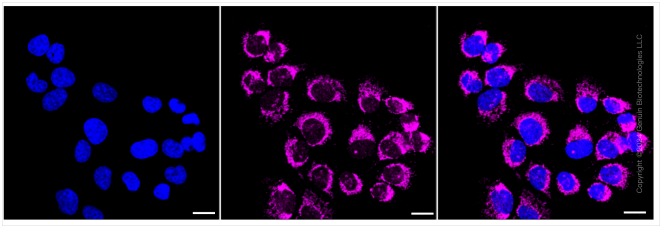
Western blotting analysis using anti-prohibitin antibody (Cat#ABG1052). Prohibitin expression in wild type (WT) and prohibitin (PHB1) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-prohibitin antibody (Cat#ABG1052, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of prohibitin expression in HT-1080 cells using prohibitin antibody (Cat#ABG1052, 1:2,000). Green, isotype control; red, prohibitin.

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Immunocytochemical staining of HT-1080 cells with prohibitin antibody (Cat#ABG1052, 1:1,000). Nuclei were stained blue with DAPI; Prohibitin 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.