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

KD-Validated Anti-PPM1G Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1268

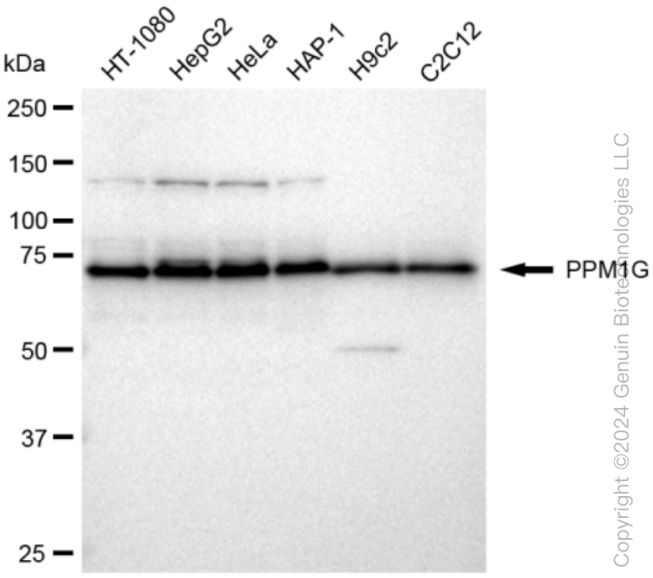
Product Overview

Name	KD-Validated Anti-PPM1G Rabbit Monoclonal Antibody
Accession(Primary)	O15355
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human PPM1G
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 59 kDa , observed, 72 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 (O15355)

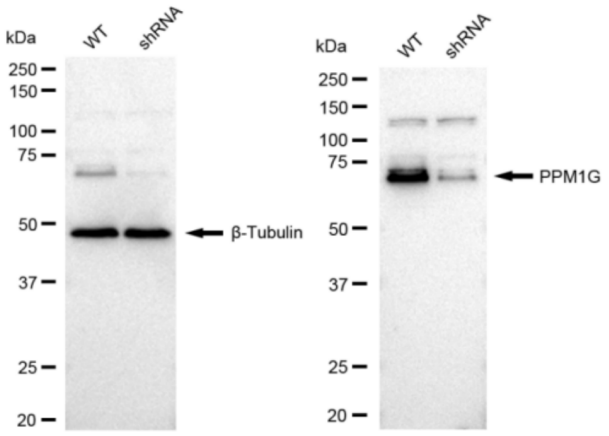
Gene Name	PPM1G
About Gene Symbol	PPM1G (Protein Phosphatase, Mg2+/Mn2+ Dependent 1G) is a protein phosphatase involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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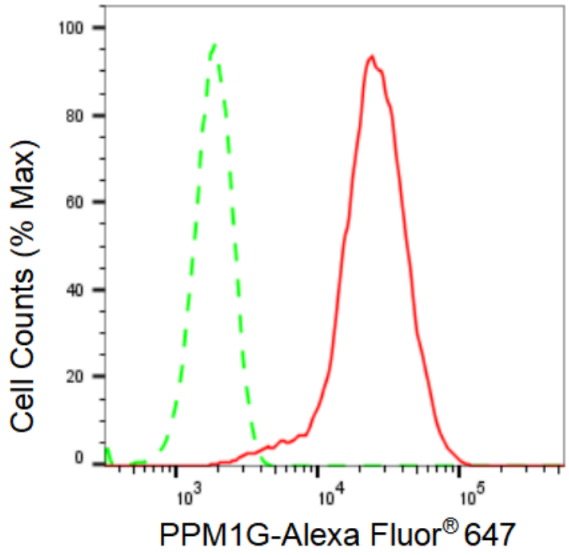
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Western blotting analysis using anti-PPM1G antibody (Cat#ABG1268). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PPM1G antibody (Cat#ABG1268, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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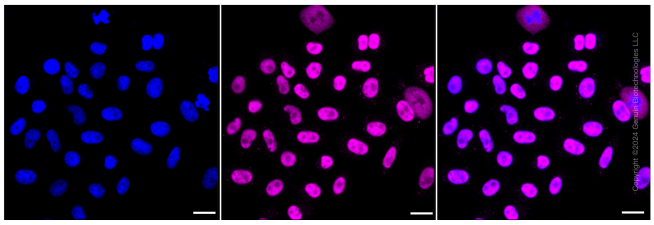
Western blotting analysis using anti-PPM1G antibody (Cat#ABG1268). PPM1G expression in wild type (WT) and PPM1G shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-PPM1G antibody (Cat#ABG1268, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of PPM1G expression in HepG2 cells using PPM1G antibody (Cat#ABG1268, 1:2,000). Green, isotype control; red, PPM1G.

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Immunocytochemical staining of HepG2 cells with PPM1G antibody (Cat#ABG1268, 1:1,000). Nuclei were stained blue with DAPI; PPM1G 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.