9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

KD-Validated Anti-Phosphogluconate Dehydrogenase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1371

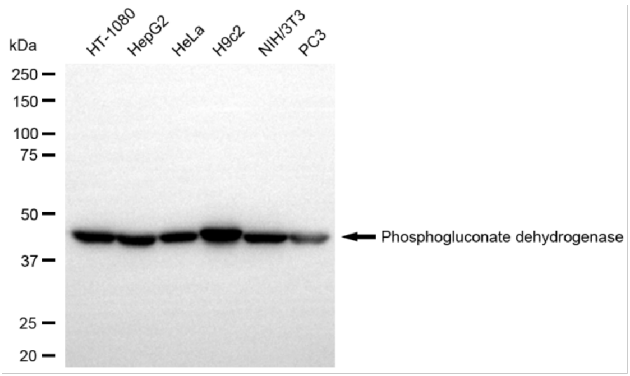
Product Overview

Name	KD-Validated Anti-Phosphogluconate Dehydrogenase Rabbit Monoclonal Antibody
Accession(Primary)	P52209
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human PGD
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 53 kDa; observed, 45 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 (P52209)

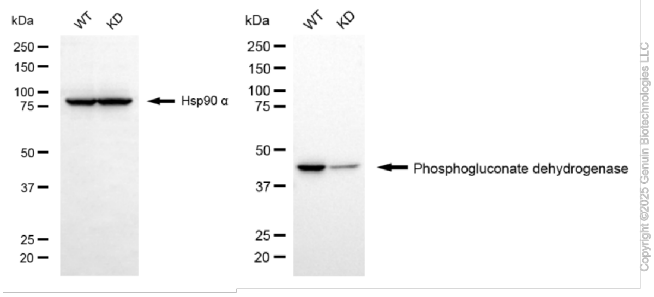
Gene Name	PGD
About Gene Symbol	PGD (Phosphogluconate Dehydrogenase) is a metabolic dehydrogenase involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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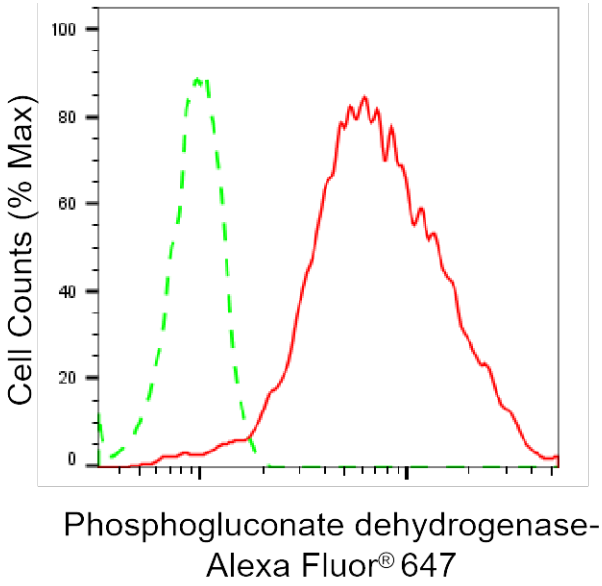
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Western blotting analysis using anti-phosphogluconate dehydrogenase antibody (Cat#ABG1371). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-phosphogluconate dehydrogenase antibody (Cat#ABG1371, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



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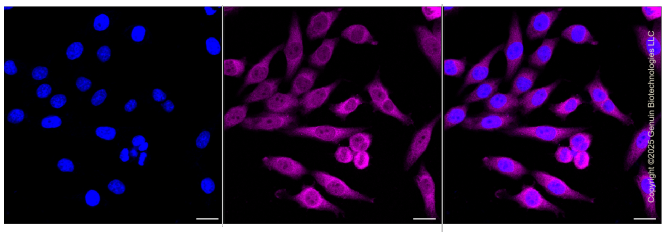
Western blotting analysis using anti-phosphogluconate dehydrogenase antibody (Cat#ABG1371). Phosphogluconate dehydrogenase expression in wild type (WT) and phosphogluconate dehydrogenase (PGD) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-phosphogluconate dehydrogenase antibody (Cat#ABG1371, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Phosphogluconate dehydrogenase expression in HepG2 cells using anti-Phosphogluconate dehydrogenase antibody (Cat#ABG1371, 1:2,000). Green, isotype control; red, Phosphogluconate dehydrogenase.

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Immunocytochemical staining of HepG2 cells with Phosphogluconate dehydrogenase antibody (Cat#ABG1371, 1:1,000). Nuclei were stained blue with DAPI; Phosphogluconate dehydrogenase 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.