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

KD-Validated Anti-Glucose-6-phosphate dehydrogenase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1968

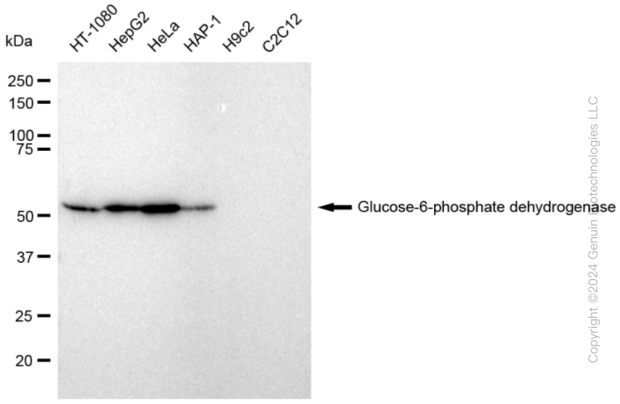
Product Overview

Name	KD-Validated Anti-Glucose-6-phosphate dehydrogenase Rabbit Monoclonal Antibody
Accession(Primary)	P11413
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human G6PD
Species Reactivity	Human
Calculated MW	Predicted, 59 kDa , observed, 58 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 (P11413)

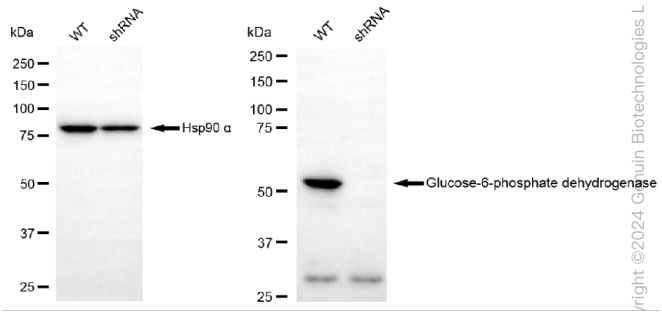
Gene Name	G6PD
About Gene Symbol	G6PD (Glucose-6-Phosphate Dehydrogenase) is a metabolic dehydrogenase involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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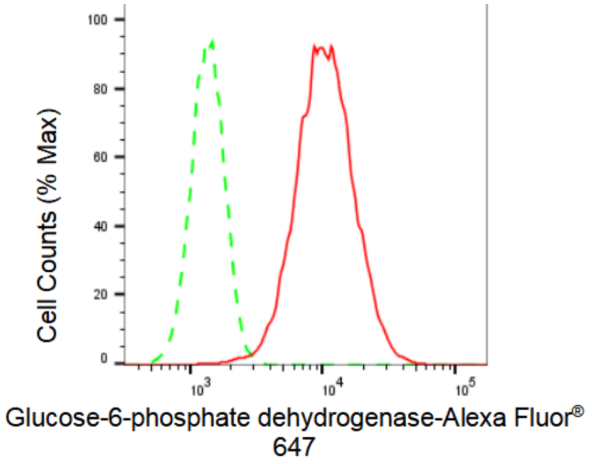
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Western blotting analysis using anti-Glucose-6-phosphate dehydrogenase antibody (Cat#ABG1968). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Glucose-6-phosphate dehydrogenase antibody (Cat#ABG1968, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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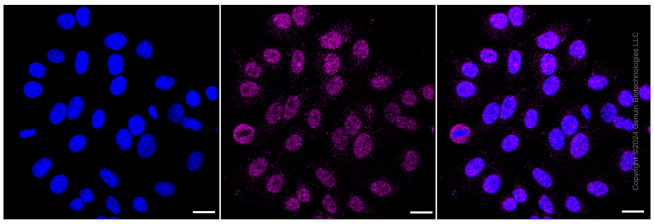
Western blotting analysis using anti-Glucose-6-phosphate dehydrogenase antibody (Cat#ABG1968). Glucose-6-phosphate dehydrogenase expression in wild type (WT) and glucose-6-phosphate dehydrogenase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Glucose-6-phosphate dehydrogenase antibody (Cat#ABG1968, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Glucose-6-phosphate dehydrogenase expression in HepG2 cells using Glucose-6-phosphate dehydrogenase antibody (Cat#ABG1968, 1:2,000). Green, isotype control; red, Glucose-6-phosphate dehydrogenase.

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Immunocytochemical staining of HepG2 cells with Glucose-6-phosphate dehydrogenase antibody (Cat#ABG1968, 1:1,000). Nuclei were stained blue with DAPI; Glucose-6-phosphate dehydrogenase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Very low. Scale bar: 20 µm.