

KD-Validated Anti-Phospho-Glycogen synthase 1 (S641) Rabbit monoclonal antibody

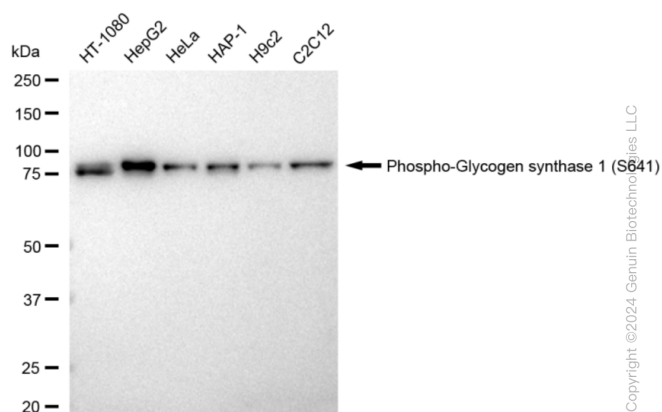
ABG1390

Product Overview

Name	KD-Validated Anti-Phospho-Glycogen synthase 1 (S641) Rabbit Monoclonal Antibody
Accession(Primary)	P13807
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Phospho-Glycogen synthase 1 (S641)
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 84 kDa , observed, 85 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

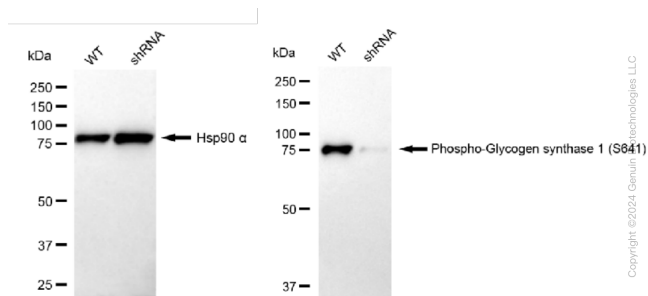
Target information (P13807)

Gene Name	GYS1
About Gene Symbol	GYS1 (Glycogen Synthase 1) is a biosynthetic enzyme 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.



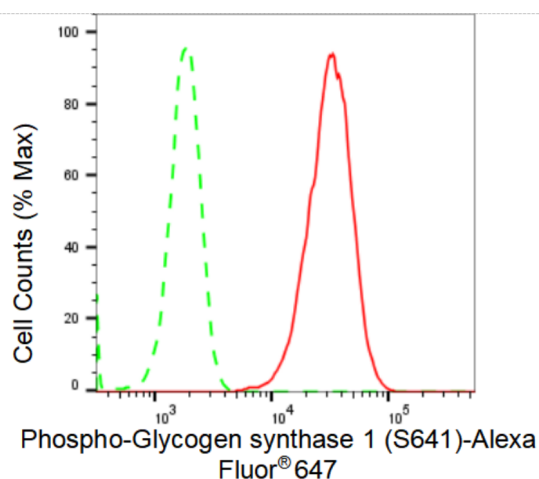
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Western blotting analysis using anti-Phospho-Glycogen synthase 1 (S641) antibody (Cat#ABG1390). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Phospho-Glycogen synthase 1 (S641) antibody (Cat#ABG1390, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



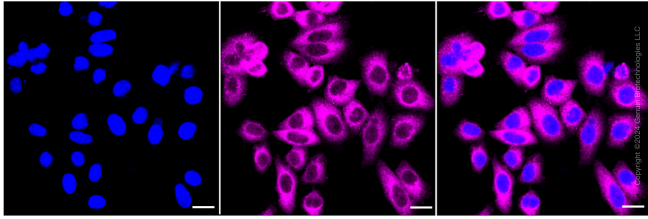
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Western blotting analysis using anti-Phospho-Glycogen synthase 1 (S641) antibody (Cat#ABG1390). Phospho-Glycogen synthase 1 (S641) expression in wild type (WT) and Phospho-Glycogen synthase 1 (S641) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Phospho-Glycogen synthase 1 (S641) antibody (Cat#ABG1390, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Phospho-Glycogen synthase 1 (S641) expression in HepG2 cells using Phospho-Glycogen synthase 1 (S641) antibody (Cat#ABG1390, 1:2,000). Green, isotype control; red, Phospho-Glycogen synthase 1 (S641).



Immunocytochemical staining of HepG2 cells with Phospho-Glycogen synthase 1 (S641) antibody (Cat#ABG1390, 1:1,000). Nuclei were stained blue with DAPI; Phospho-Glycogen synthase 1 (S641) 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.