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

KO-Validated Anti-GSTO1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2431

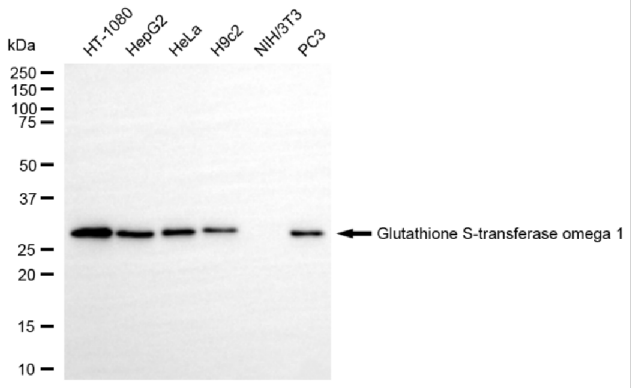
Product Overview

Name	KO-Validated Anti-GSTO1 Rabbit Monoclonal Antibody
Accession(Primary)	P78417
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human GSTO1
Species Reactivity	Human, Rat
Calculated MW	Predicted, 28 kDa; observed, 28 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 (P78417)

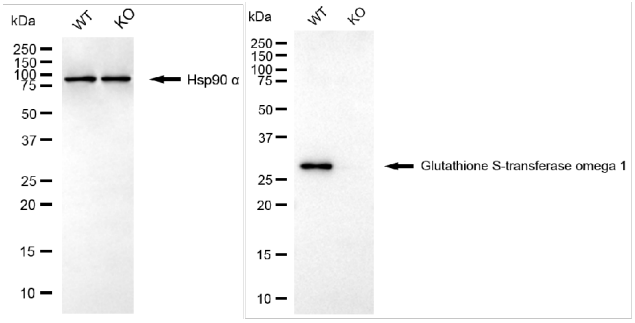
Gene Name	GSTO1
About Gene Symbol	GSTO1 (Glutathione S-Transferase Omega 1) is a metabolic enzyme involved in Hedgehog signaling. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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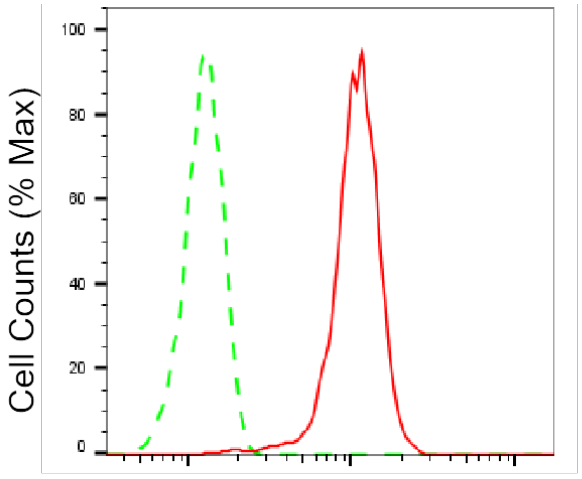
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Western blotting analysis using anti-glutathione S-transferase omega 1 antibody (Cat#ABG2431). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-glutathione S-transferase omega 1 antibody (Cat#ABG2431, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Western blotting analysis using anti-glutathione S-transferase omega 1 antibody (Cat#ABG2431). Glutathione S-transferase omega 1 expression in wild type (WT) and glutathione S-transferase omega 1 (GSTO1) knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-glutathione S-transferase omega 1 antibody (Cat#ABG2431, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

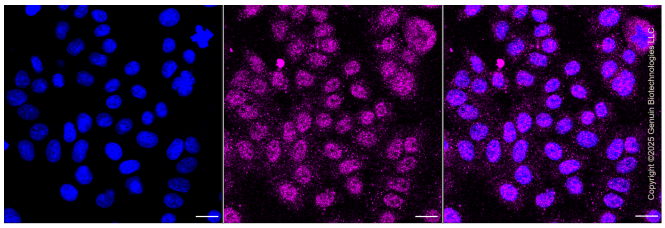


Glutathione S-transferase omega 1-Alexa Fluor® 647

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Flow cytometric analysis of Glutathione S-transferase omega 1 expression in HepG2 cells using anti-Glutathione S-transferase omega 1 antibody (Cat#ABG2431, 1:2,000). Green, isotype control; red, Glutathione S-transferase omega 1.

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Immunocytochemical staining of HepG2 cells with anti-Glutathione S-transferase omega 1 antibody (Cat#ABG2431, 1:1,000). Nuclei were stained blue with DAPI; Glutathione S-transferase omega 1 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.