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

KD-Validated Anti-Catalase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1143

Product Overview

Name	KD-Validated Anti-Catalase Rabbit Monoclonal Antibody
Accession(Primary)	P04040
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Catalase
Species Reactivity	Human, Rat
Calculated MW	Predicted, 60 kDa , observed, 60 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): 1:100-1:1,000

Target information (P04040)

Gene Name	CAT
About Gene Symbol	CAT (Catalase) is a metabolic 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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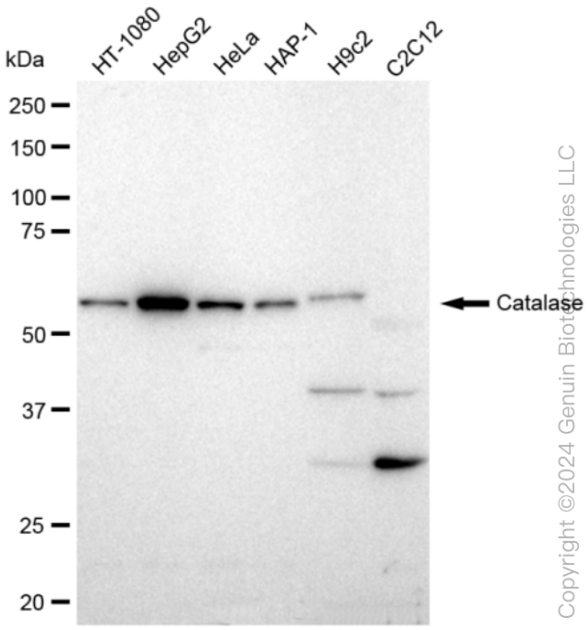

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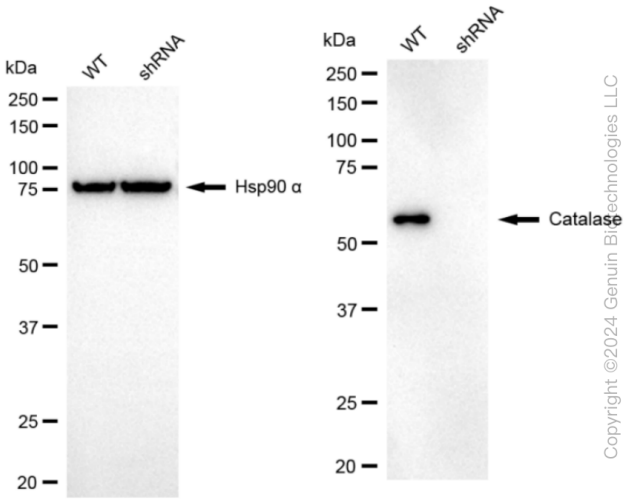
Western blotting analysis using anti-Catalase antibody (Cat#ABG1143). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Catalase antibody (Cat#ABG1143, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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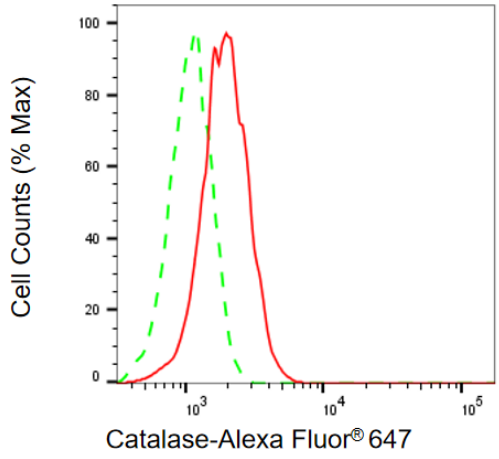
Western blotting analysis using anti-Catalase antibody (Cat#ABG1143). Catalase expression in wild type (WT) and Catalase shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Catalase antibody (Cat#ABG1143, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Catalase expression in HepG2 cells using anti-Catalase antibody (Cat #ABG1143, 1:2,000). Green, isotype control; red, Catalase.

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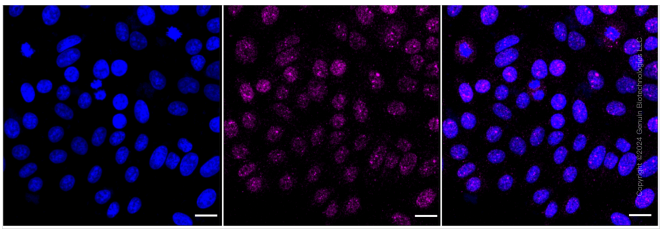

Immunocytochemical staining of HepG2 cells with anti-Catalase antibody (Cat#ABG1143, 1:1,000). Nuclei were stained blue with DAPI; Catalase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 µm.