9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-FumaRate HydRatase Mouse Monoclonal Antibody

Mouse monoclonal antibody

ABG2055

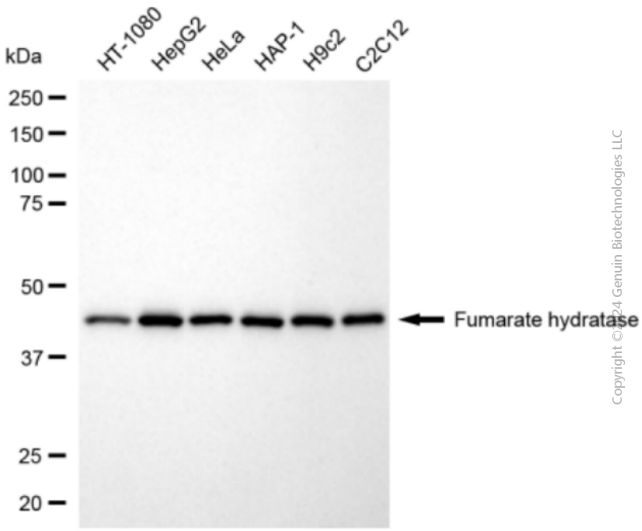
Product Overview

Name	KD-Validated Anti-FumaRate HydRatase Mouse Monoclonal Antibody
Accession(Primary)	P07954
Host Species	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Immunogen	Recombinant protein of human FH
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 55 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): 1:500-1:2,500 Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

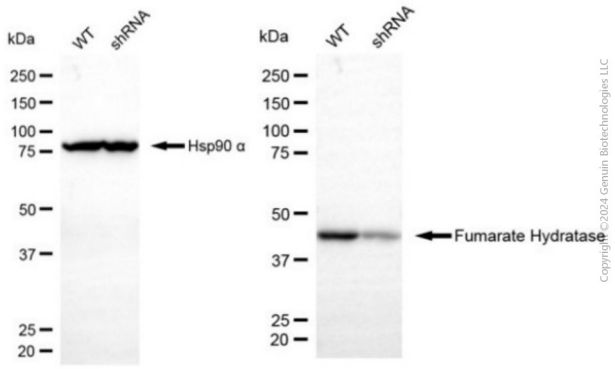
Target information (P07954)

Gene Name	FH
About Gene Symbol	FH (FumaRate HydRatase) 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.

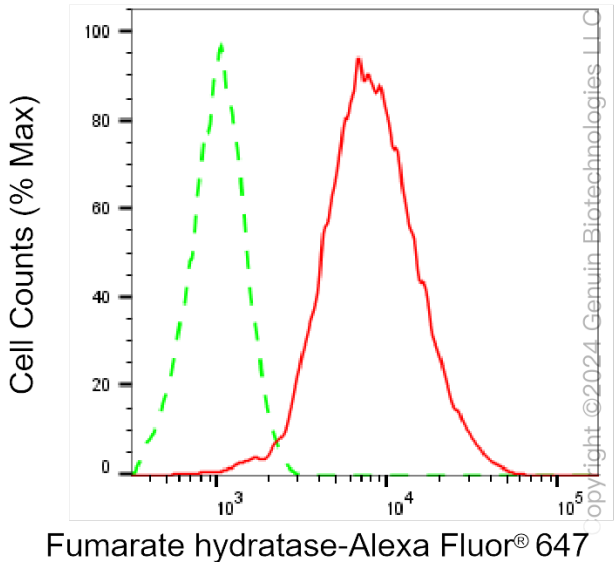
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Western blotting analysis using anti-fumarate hydratase antibody (Cat#ABG2055). Total cell lysates (5 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-fumarate hydratase antibody (Cat#ABG2055, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.

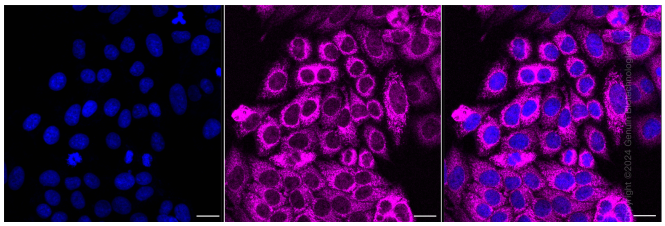


Western blotting analysis using anti-fumarate hydratase antibody (Cat #ABG2055). Fumarate hydratase expression in wild-type (WT) and fumarate hydratase (FH) shRNA knockdown (KD) HeLa cells with 5 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-fumarate hydratase antibody (Cat #ABG2055, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat #101, 1:20,000) respectively.



Flow cytometric analysis of Fumarate hydratase expression in HepG2 cells using anti-Fumarate hydratase antibody (Cat#ABG2055, 1:2,000). Green, isotype control; red, Fumarate hydratase.

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Immunocytochemical staining of HepG2 cells with anti-Fumarate hydratase associated protein antibody (Cat#ABG2055, 1:1,000). Nuclei were stained blue with DAPI; Fumarate hydratase associated protein was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.