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

KD-Validated Anti-HARS1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

ABG1970

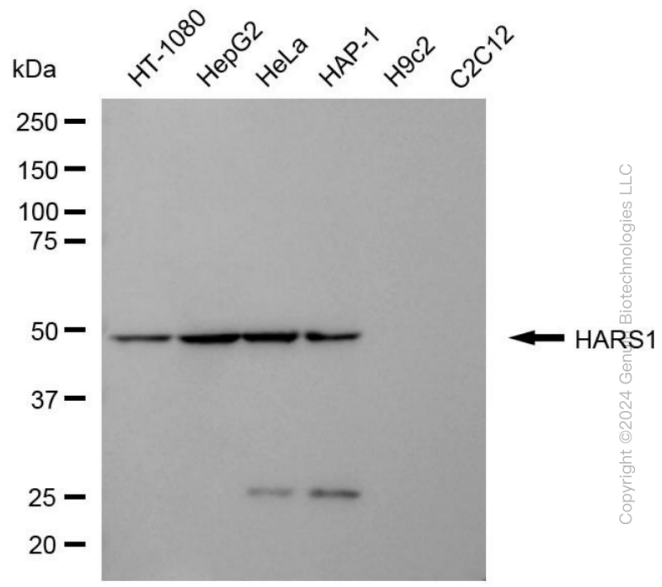
Product Overview

Name	KD-Validated Anti-HARS1 Mouse Monoclonal Antibody
Accession(Primary)	P12081
Host Species	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Immunogen	Recombinant protein of human HARS
Species Reactivity	Human
Calculated MW	Predicted, 57 kDa, observed, 50 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): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

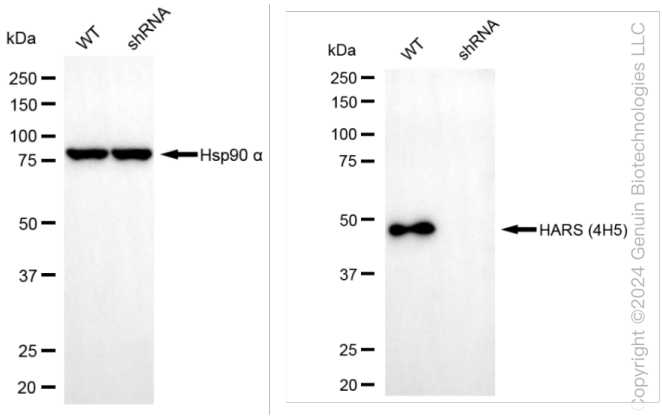
Target information (P12081)

Gene Name	HARS1
About Gene Symbol	HARS1 (Histidyl-TRNA Synthetase 1) is a biosynthetic enzyme involved in adaptive immunity. 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.

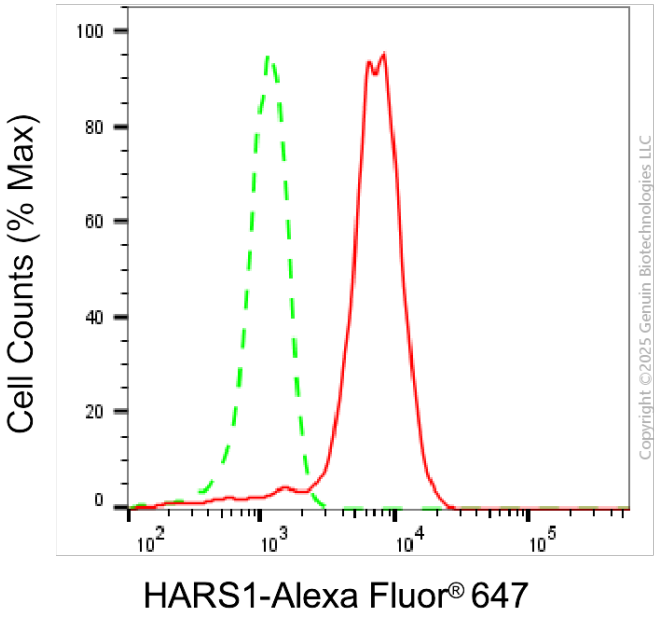
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Western blotting analysis using anti-HARS1 antibody (Cat#ABG1970). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-HARS1 antibody (Cat#ABG1970, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.

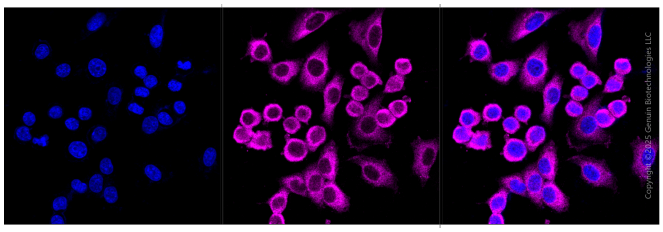


Western blotting analysis using anti-HARS1 antibody (Cat#ABG1970). HARS1 expression in wild-type (WT) and HARS1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-HARS1 antibody (Cat#ABG1970, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Flow cytometric analysis of HARS1 expression in HepG2 cells using anti-HARS1 antibody (Cat#ABG1970, 1:2,000). Green, isotype control; red, HARS1.

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Immunocytochemical staining of HepG2 cells with anti-HARS1 antibody (Cat#ABG1970, 1:1,000). Nuclei were stained blue with DAPI; HARS1 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.