9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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KD-Validated Anti-AKR1A1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

ABG1927

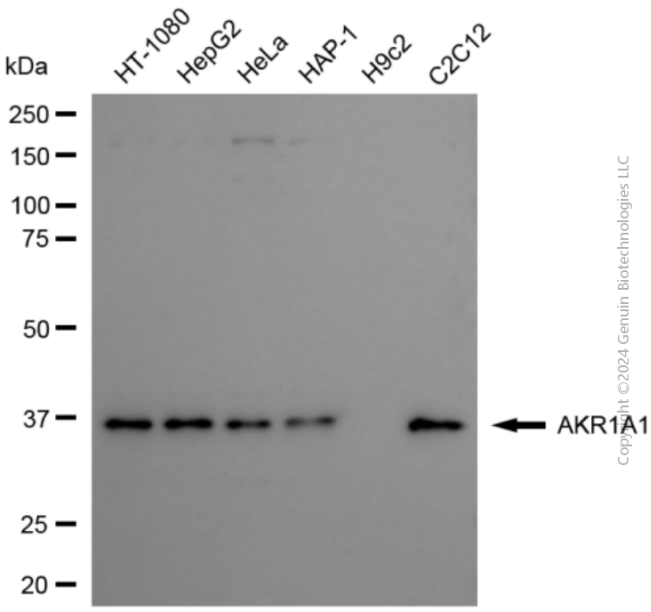
Product Overview

Name	KD-Validated Anti-AKR1A1 Mouse Monoclonal Antibody
Accession(Primary)	P14550
Host Species	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Immunogen	Recombinant protein of human AKR1A1
Species Reactivity	Human, Mouse
Calculated MW	Predicted, 37 kDa, observed, 37 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

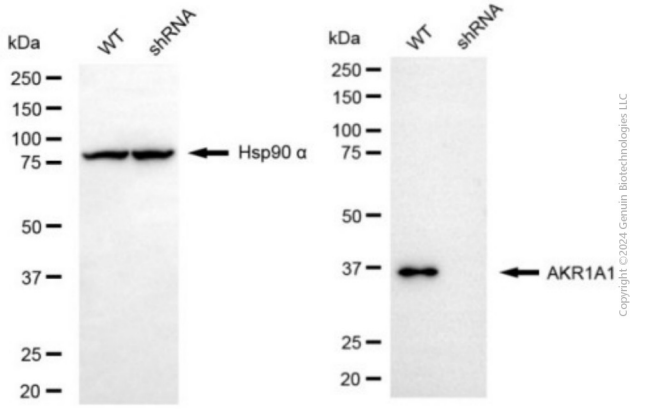
Target information (P14550)

Gene Name	AKR1A1
About Gene Symbol	AKR1A1 (Aldo-Keto Reductase Family 1 Member A1) is a metabolic dehydrogenase 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.

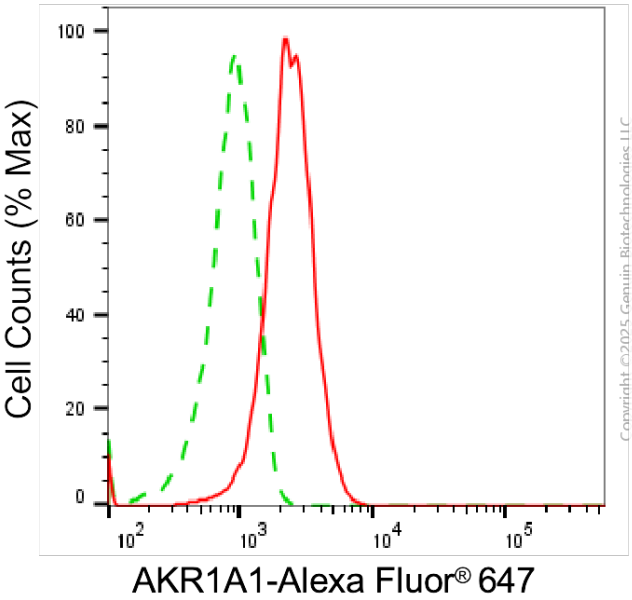
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Western blotting analysis using anti-AKR1A1 antibody (Cat#ABG1927). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-AKR1A1 antibody (Cat#ABG1927, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.

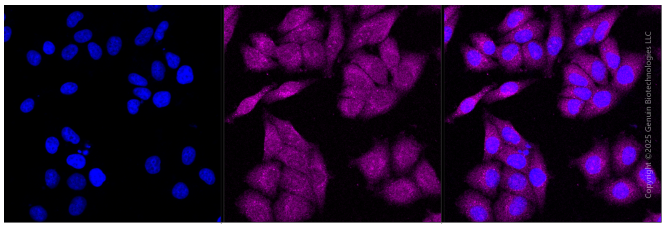


Western blotting analysis using anti-AKR1A1 antibody (Cat#ABG1927). AKR1A1 expression in wild type (WT) and AKR1A1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-AKR1A1 antibody (Cat#ABG1927, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Flow cytometric analysis of AKR1A1 expression in HepG2 cells using anti-AKR1A1 antibody (Cat#ABG1927, 1:2,000). Green, isotype control; red, AKR1A1.

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Immunocytochemical staining of HepG2 cells with anti-AKR1A1 antibody (Cat#ABG1927, 1:1,000). Nuclei were stained blue with DAPI; AKR1A1 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.