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

KD-Validated Anti-AKR1C1/AKR1C2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1313

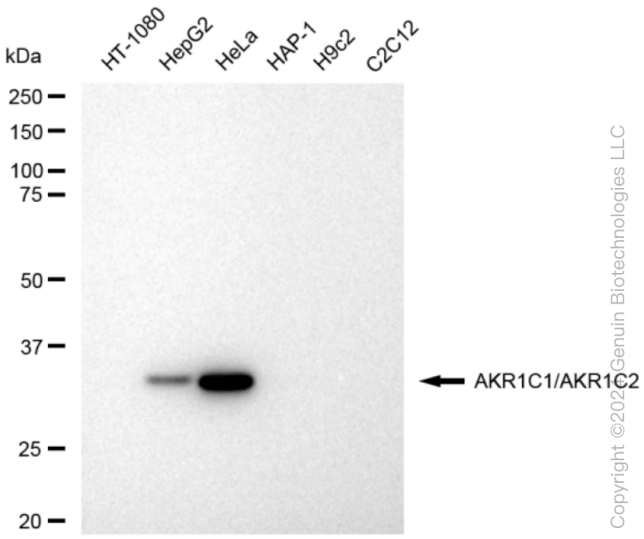
Product Overview

Name	KD-Validated Anti-AKR1C1/AKR1C2 Rabbit Monoclonal Antibody
Accession(Primary)	Q04828/ P52895
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthetic peptide of human AKR1C1 / AKR1C2
Species Reactivity	Human
Calculated MW	Predicted, 37 kDa; Observed, 35 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 (Q04828/ P52895)

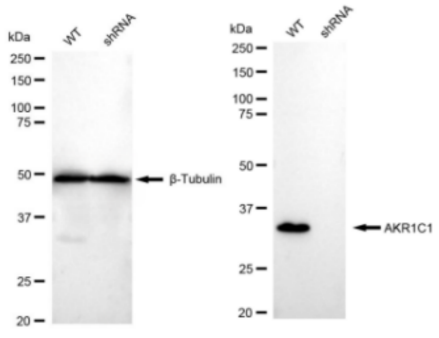
Gene Name	AKR1C1/AKR1C2
About Gene Symbol	AKR1C1/AKR1C2 (Aldo-Keto Reductase Family 1 Member C1/2) is a metabolic dehydrogenase involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellul

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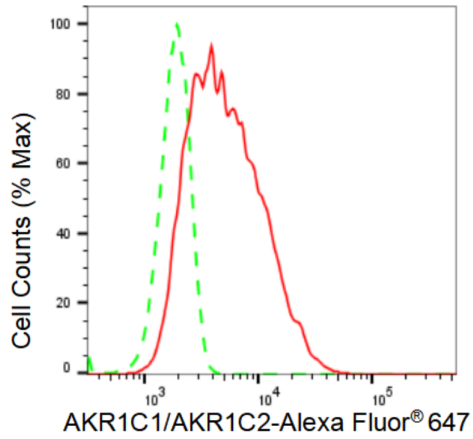
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Western blotting analysis using anti-AKR1C1/AKR1C2 antibody (Cat#ABG1313). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-AKR1C1/AKR1C2 antibody (Cat#ABG1313, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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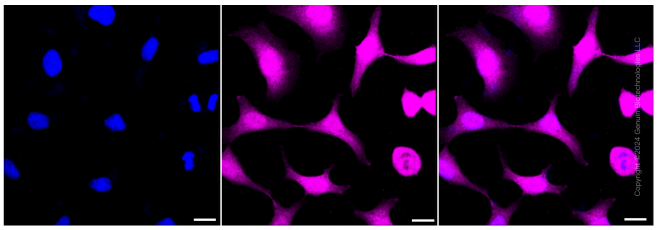
Western blotting analysis using anti-AKR1C1 antibody (Cat#ABG1313). AKR1C1 expression in wild type (WT) and AKR1C1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-AKR1C1 antibody (Cat#ABG1313, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of AKR1C1/AKR1C2 expression in HeLa cells using AKR1C1/AKR1C2 antibody (Cat#ABG1313, 1:2,000). Green, isotype control; red, AKR1C1/AKR1C2.

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Immunocytochemical staining of Hela cells with AKR1C1/AKR1C2 antibody (Cat#ABG1313, 1:1,000). Nuclei were stained blue with DAPI; AKR1C1/AKR1C2 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.