Anti-AKR1C1/AKR1C2 Recombinant Rabbit Monoclonal Antibody

Catalog #: 4469

Aliases

AKR1C1/2; Aldo-Keto Reductase Family 1 Member C1/2; DDH; DD1/2; HAKRC; MBAB; DDH1/2; Dihydrodiol Dehydrogenase 1/2; 20-Alpha (3-Alpha)-Hydroxysteroid Dehydrogenase; High-Affinity Hepatic Bile Acid-Binding Protein; Chlordecone Reductase Homolog HAKRC; Dihydrodiol Dehydrogenase 1/2; HBAB; Aldo-Keto Reductase Family 1, Member C1/2 (Dihydrodiol Dehydrogenase 1; 20-Alpha (3-Alpha)-Hydroxysteroid Dehydrogenase); Trans-1,2-Dihydrobenzene-1,2-Diol Dehydrogenase; Type II 3-Alpha-Hydroxysteroid Dehydrogenase; 20 Alpha-Hydroxysteroid Dehydrogenase; 20-Alpha-Hydroxysteroid Dehydrogenase; Hepatic Dihydrodiol Dehydrogenase; Dihydrodiol Dehydrogenase 1/2; Aldo-Keto Reductase C; Indanol Dehydrogenase; 20-ALPHA-HSD; 20-Alpha-HSD; EC 1.1.1.112; EC 1.1.1.209; EC 1.1.1.210; EC 1.1.1.357; EC 1.1.1.149; 2-ALPHA-HSD; EC 1.1.1.51; EC 1.1.1.53; EC 1.1.1.62; EC 1.3.1.20; EC 1.1.1.; EC 1.1.1; DD1/DD2; H-37; C9

Background

Gene Name: AKR1C1/AKR1C2
NCBI Gene Entry: 1645/1646
UniProt Entry: Q04828/P52895

Application Information

Molecular Weight: Predicted, 37 kDa; observed, 35 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB11375
Species Reactivity: Human
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthetic peptide of human AKR1C1 / AKR1C2

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

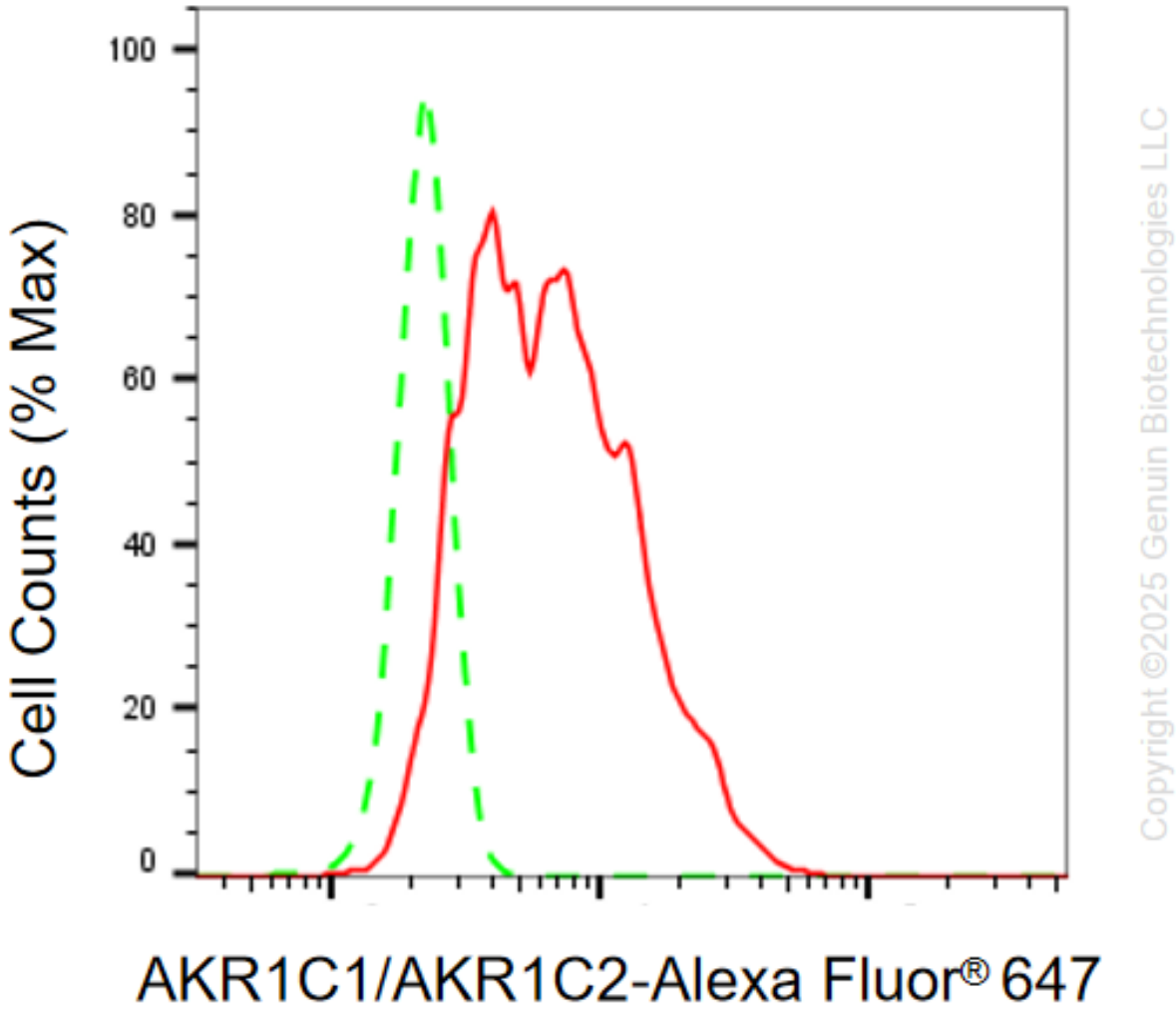
Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry(FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

Validation Data



Flow cytometric analysis of AKR1C1/AKR1C2 expression in HeLa cells using anti-AKR1C1/AKR1C2 antibody (Cat#4469, 1:2,000). Green, isotype control; red, AKR1C1/AKR1C2.

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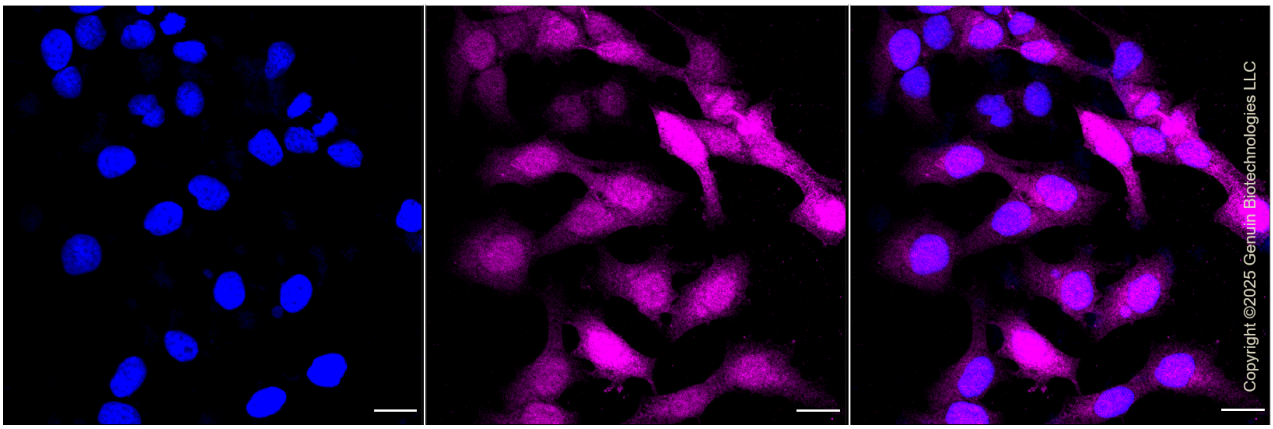
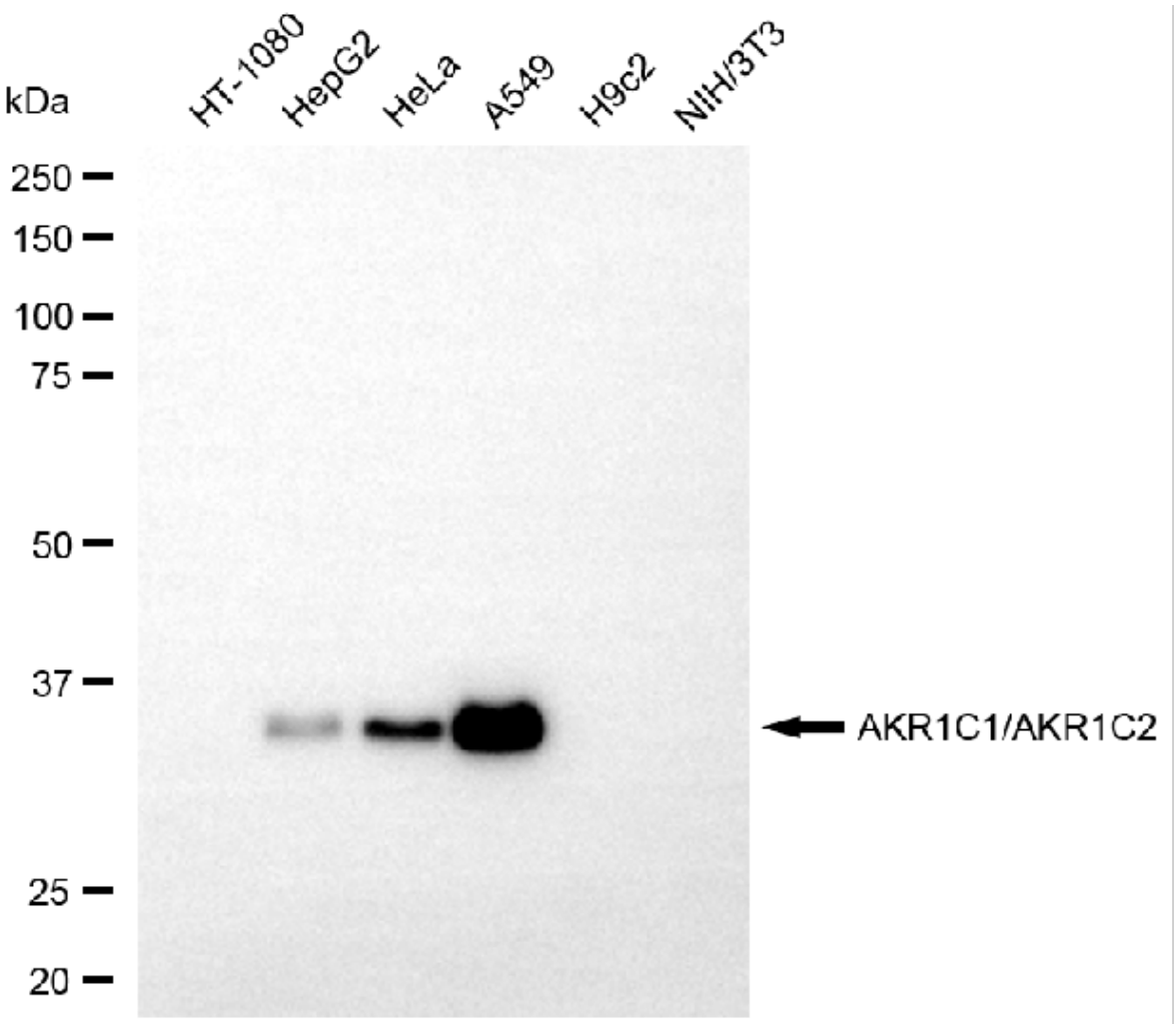


Immunocytochemical staining of Hela cells with anti-AKR1C1/AKR1C2 antibody (Cat#4469, 1:1,000). Nuclei were stained blue with DAPI; AKR1C1/AKR1C2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Western blotting analysis using anti-AKR1C1/AKR1C2 antibody (Cat#4469). 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#4469, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).