Anti-AKR1A1 Mouse Monoclonal Antibody

Catalog #: 5332

Aliases

AKR1A1; Aldo-Keto Reductase Family 1 Member A1; ALR; Aldehyde Reductase; DD3; Dihydrodiol Dehydrogenase 3; Glucuronolactone Reductase; Glucuronate Reductase; EC 1.1.1.2; ALDR1; Aldo-Keto Reductase Family 1, Member A1 (Aldehyde Reductase); Epididymis Secretory Sperm Binding Protein Li 165mP; Epididymis Secretory Protein Li 6; Alcohol Dehydrogenase [NADP(+)]; Alcohol Dehydrogenase; EC 1.1.1.372; HEL-S-165mP; EC 1.1.1.54; EC 1.1.1.19; EC 1.1.1.20; EC 1.1.1; HEL-S-6; ARM

Background

Gene Name: AKR1A1
NCBI Gene Entry: 10327
UniProt Entry: P14550

Application Information

Molecular Weight: Predicted, 37 kDa; observed, 37 kDa
Clonality: Mouse monoclonal antibody
Clone ID: 25GB1000
Species Reactivity: Human, mouse
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human AKR1A1

Isotype

Mouse IgG2b

Storage Buffer

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

Storage

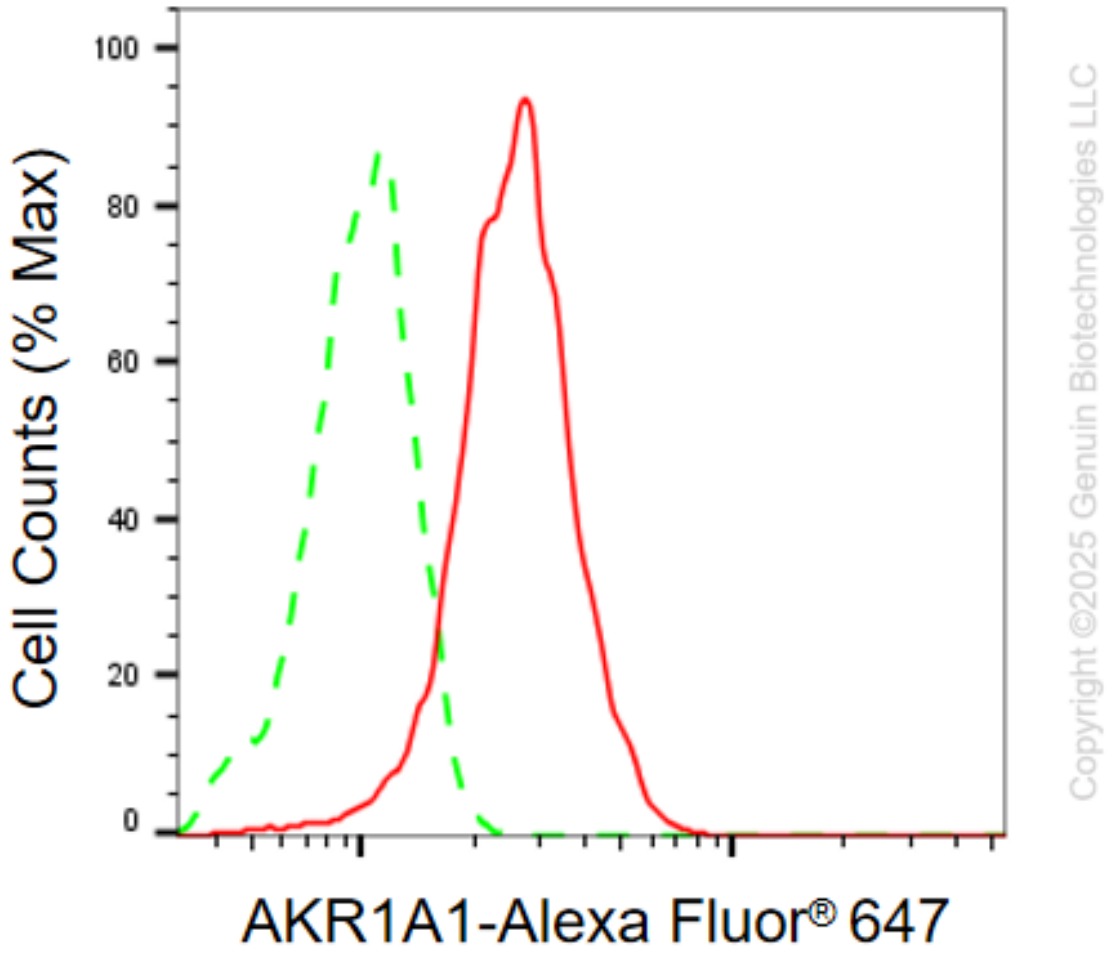
Store at -20 °C for one year.

Recommended Dilutions

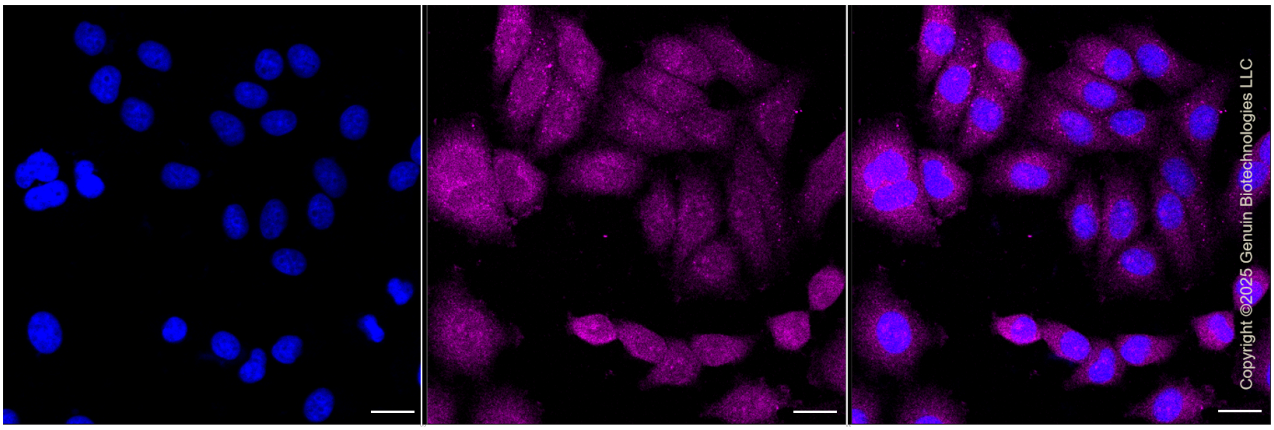
Western Blotting (WB): 1:500-1:2,500
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

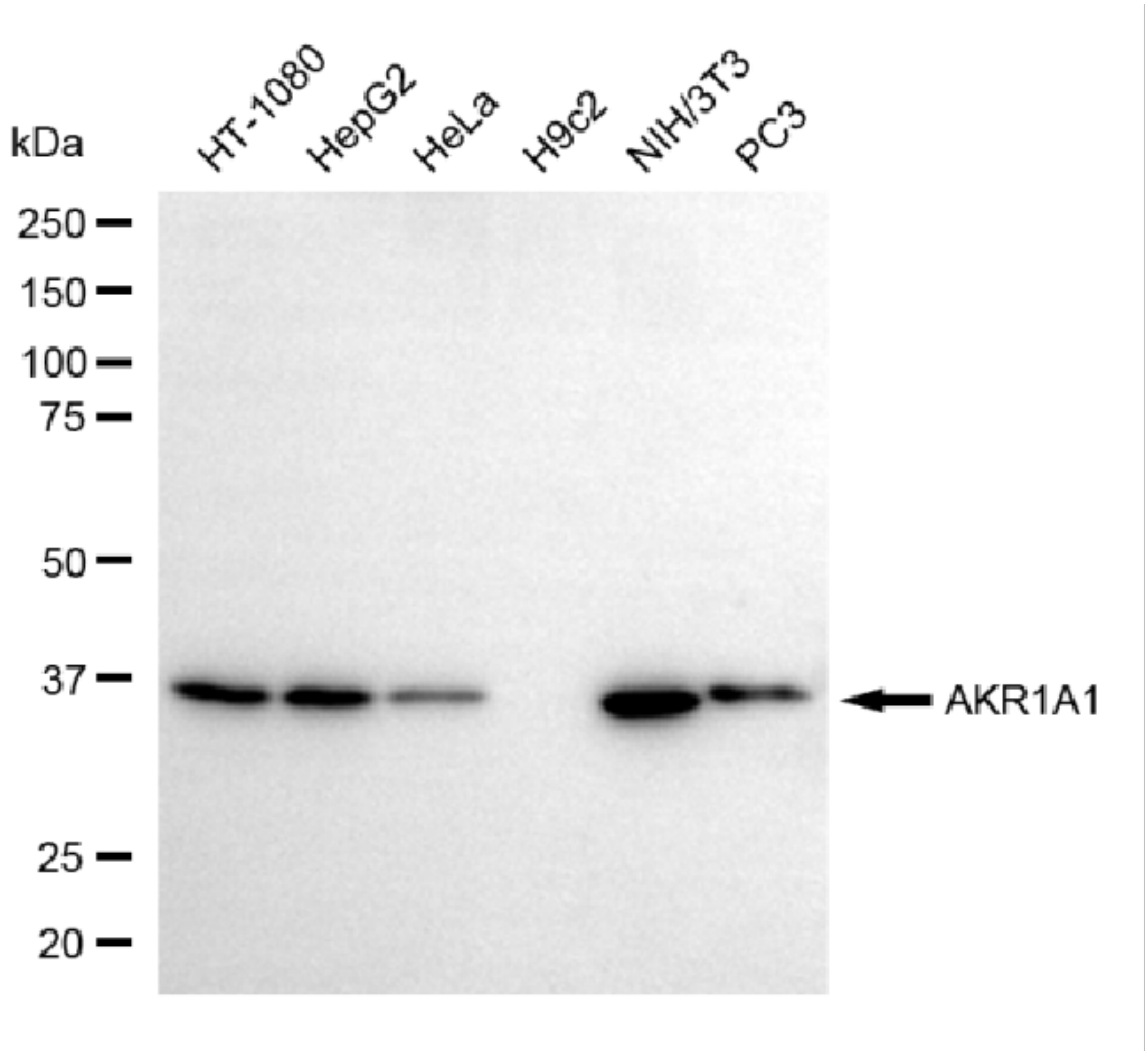
Validation Data



Flow cytometric analysis of AKR1A1 expression in HepG2 cells using anti-AKR1A1 antibody (Cat#5332, 1:2,000). Green, isotype control; red, AKR1A1.



Immunocytochemical staining of HepG2 cells with anti-AKR1A1 antibody (Cat#5332, 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.



Western blotting analysis using anti-AKR1A1 antibody (Cat#5332). 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#5332, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).