

Catalog #: 3013

Aliases

AKR1C3; Aldo-Keto Reductase Family 1 Member C3; PGFS; Prostaglandin F Synthase; KIAA0119; HSD17B5; HAKRB; DDX; 3-Alpha Hydroxysteroid Dehydrogenase, Type II; Testosterone 17-Beta-Dehydrogenase 5; Chlordecone Reductase Homolog HAKRb; Dihydrodiol Dehydrogenase X; Dihydrodiol Dehydrogenase 3; 3-Alpha-HSD Type II, Brain; HA1753; DD3; Aldo-Keto Reductase Family 1, Member C3 (3-Alpha Hydroxysteroid Dehydrogenase, Type II); Trans-1,2-Dihydrobenzene-1,2-Diol Dehydrogenase; Type IIb 3-Alpha Hydroxysteroid Dehydrogenase; 17-Beta-Hydroxysteroid Dehydrogenase Type 5; 3-Alpha-Hydroxysteroid Dehydrogenase Type 2; Hydroxysteroid (17-Beta) Dehydrogenase 5; Dihydrodiol Dehydrogenase Type I; Indanol Dehydrogenase; 3-Alpha-HSD Type 2; 17-Beta-HSD 5; EC 1.1.1.210; EC 1.1.1.357; EC 1.1.1.188; EC 1.1.1.239; EC 1.1.1.53; EC 1.1.1.62; EC 1.1.1.64; EC 1.1.1.-; EC 1.1.1; HluPGFS; HAKRe; DDH1; DD-3

Background

Gene Name: AKR1C3

NCBI Gene Entry: [8644](#)

UniProt Entry: [P42330](#)

Application Information

Molecular Weight: Predicted, 37 kDa; observed, 36 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB3630

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human AKR1C3

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

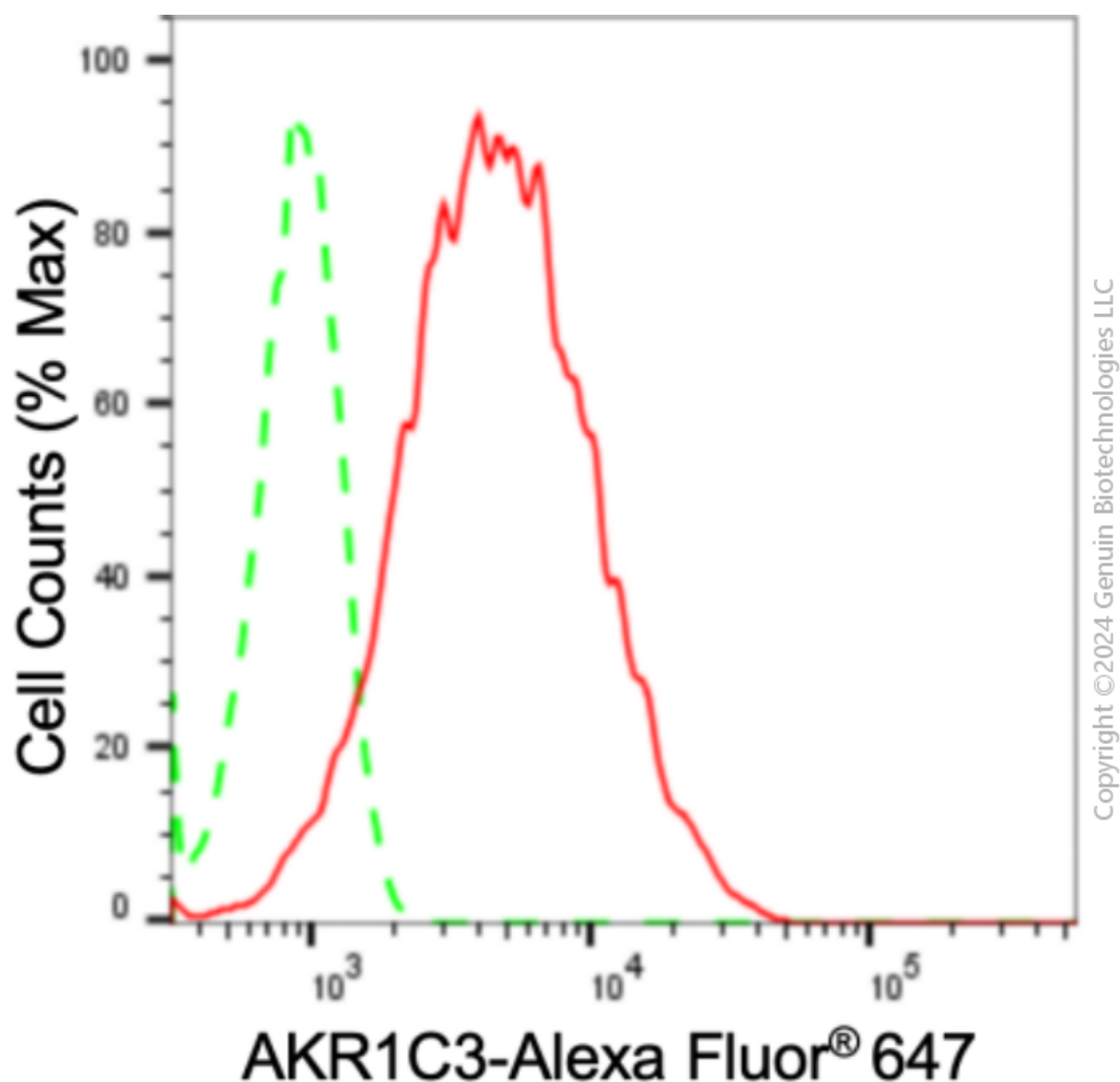
Western Blotting (WB): 1:1,000-1:5,000

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 AKR1C3 expression in HepG2 cells using anti-AKR1C3 antibody (Cat#3013, 1:2,000). Green, isotype control; red, AKR1C3.

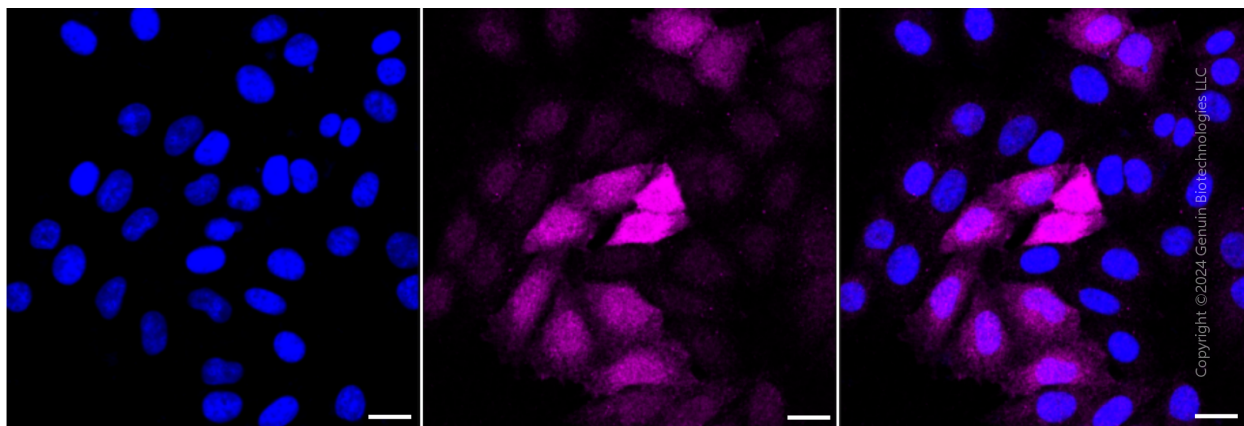
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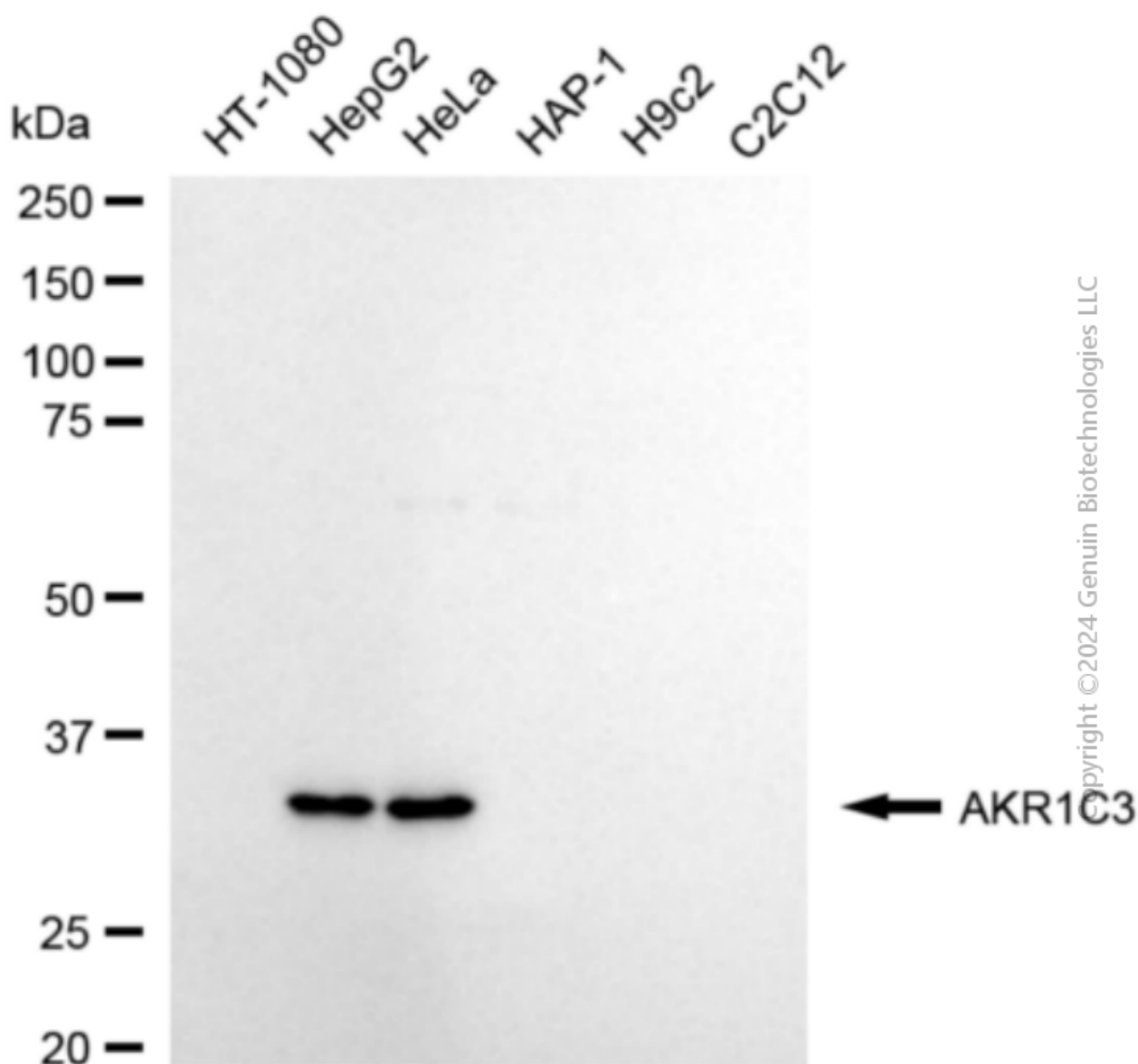
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Immunocytochemical staining of HepG2 cells with anti-AKR1C3 antibody (Cat#3013, 1:1,000) . Nuclei were stained blue with DAPI; AKR1C3 was stained magenta with Alexa Fluor® 647. Images were taken using leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 μ m.



Western blotting analysis using anti-AKR1C3 antibody (Cat#3013). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-AKR1C3 antibody (Cat#3013, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).