

Catalog #: 3269

Aliases

CYP19A1; Cytochrome P450 Family 19 Subfamily A Member; ARO; CYAR; P-450AROM; Aromatase; CYP19; CPV1; ARO; Cytochrome P450, Subfamily XIX (Aromatization Of Androgens); Cytochrome P450, Family 19, Subfamily A, Polypeptide 1; Cytochrome P-450AROM; Cytochrome P450 19A1; Estrogen Synthase; CYPXIX; Flavoprotein-Linked Monooxygenase; Microsomal Monooxygenase; Estrogen Synthetase; EC 1.14.14.14; EC 1.14.14.1; AROMATASE

Background

Gene Name: CYP19A1

NCBI Gene Entry: [1588](#)

UniProt Entry: [P11511](#)

Application Information

Molecular Weight: Predicted, 58 kDa; observed, 58 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB4800

Species Reactivity: Human, rat

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

Immunogen

A synthesized peptide derived from human Aromatase

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

Immunocytochemistry (IC): 1:100-1:1,000

Flow Cytometry (FCM): 1:2,000

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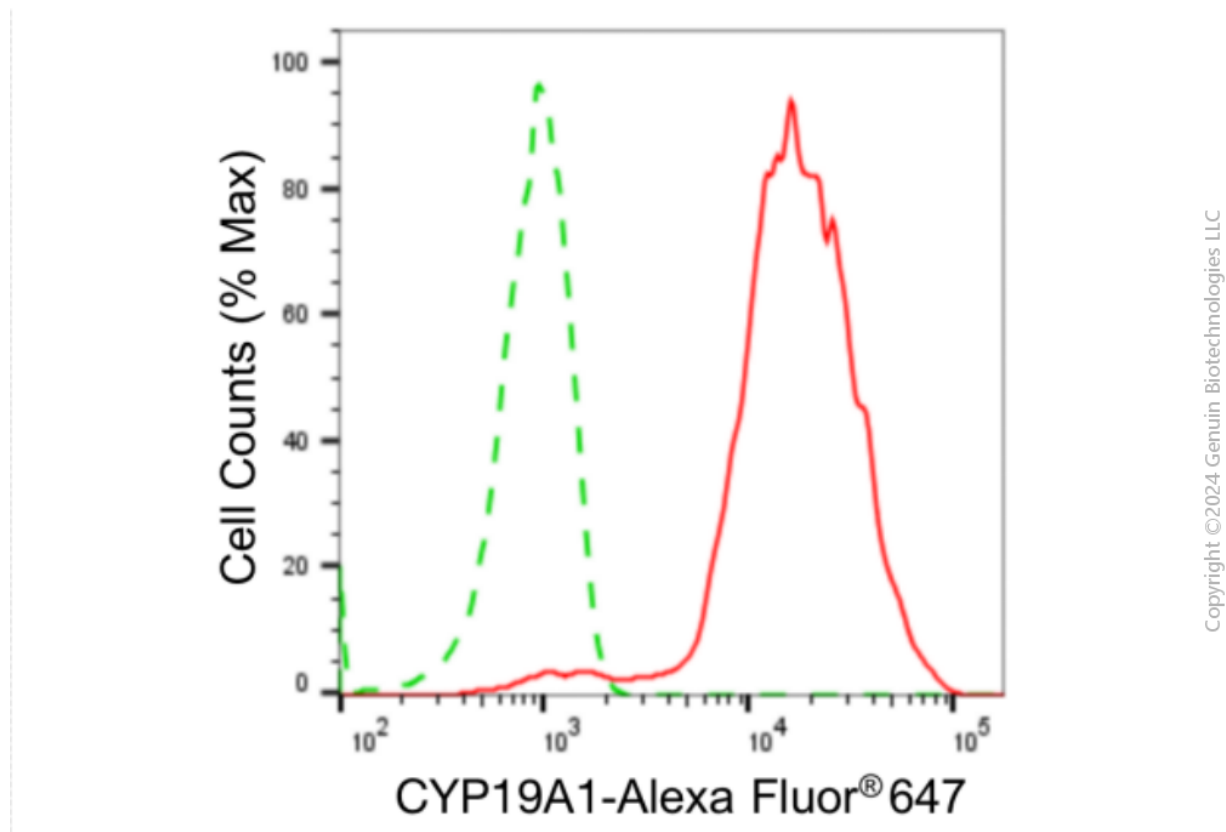
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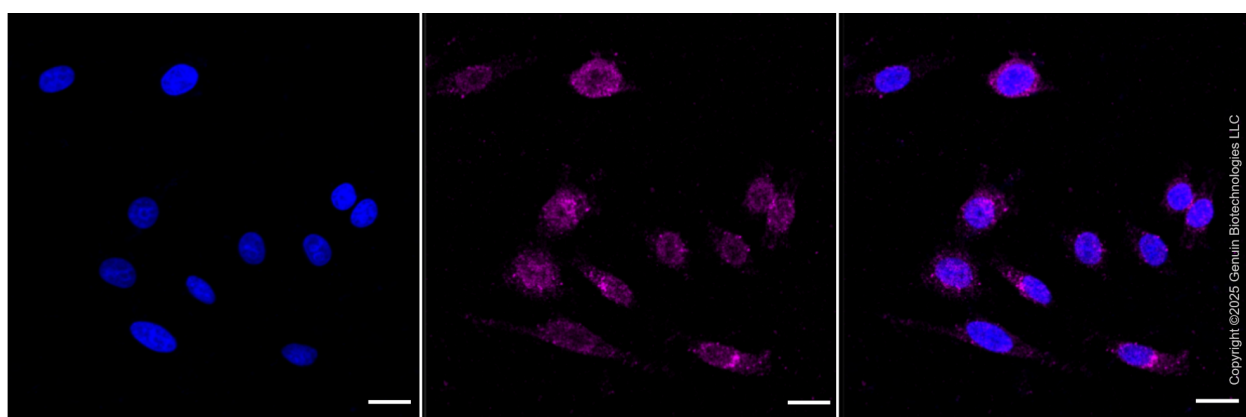
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Note: This product is for research use only.

Validation Data



Flow cytometric analysis of CYP19A1 expression in HepG2 cells using anti-CYP19A1 antibody (Cat#3269, 1:2,000). Green, isotype control; red, CYP19A1.



Immunocytochemical staining of HepG2 cells with anti-CYP19A1 antibody (Cat#3269, 1:1,000). Nuclei were stained blue with DAPI; CYP19A1 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.

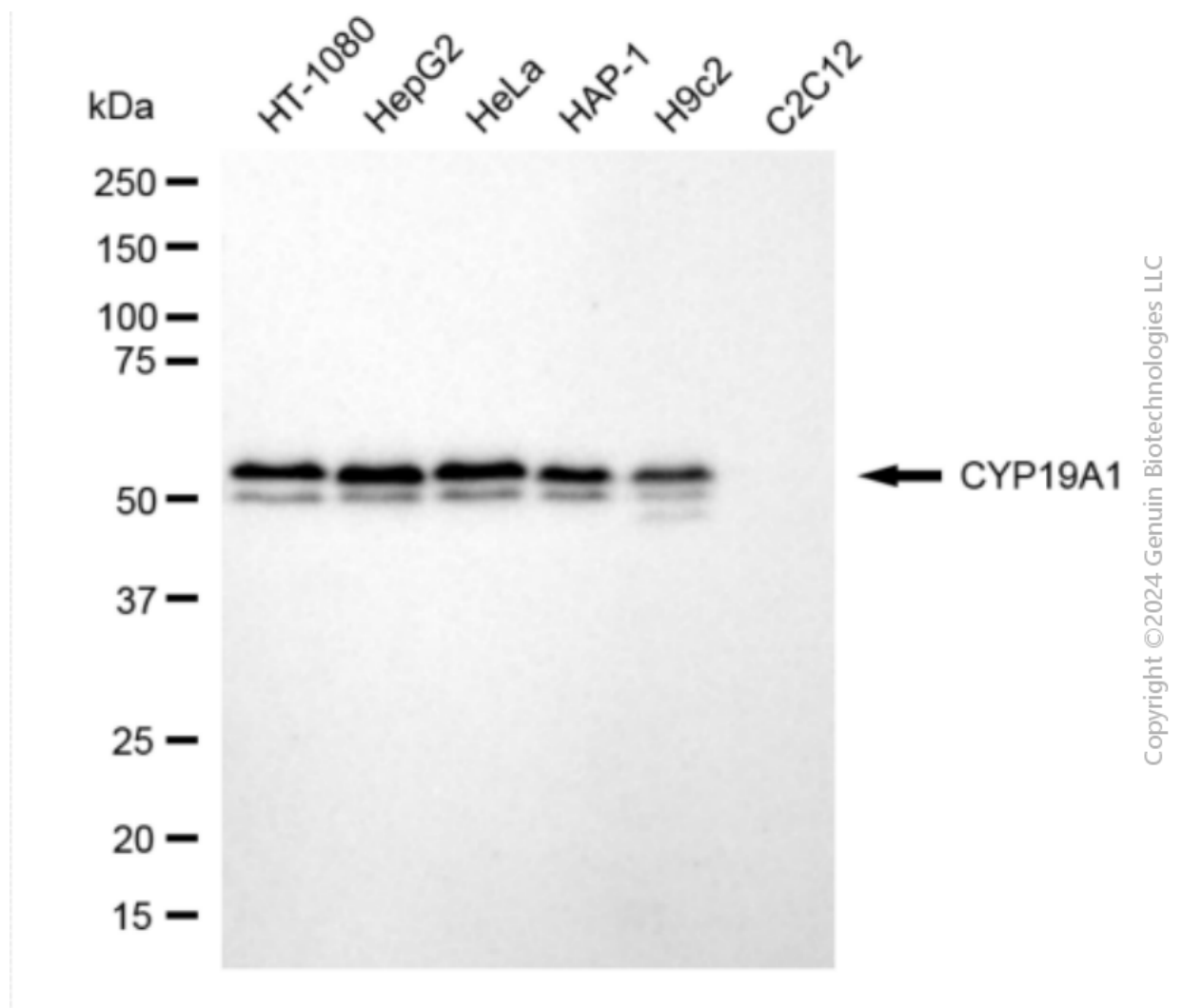
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Western blotting analysis using anti-CYP19A1 antibody (Cat#3269). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CYP19A1 antibody (Cat#3269, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716). CYP19A1, cytochrome P450 family 19 subfamily A member 1.

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