

Anti-Aryl hydrocarbon receptor Recombinant Rabbit Monoclonal Antibody



Catalog #: 4299

Aliases

AHR; Aryl Hydrocarbon Receptor; BHLHe76; Class E Basic Helix-Loop-Helix Protein 76; Ah Receptor; BHLHE76; Aromatic Hydrocarbon Receptor; AH-Receptor; RP85; AhR

Background

Gene Name: AHR

NCBI Gene Entry: [196](#)

UniProt Entry: [P35869](#)

Application Information

Molecular Weight: Predicted, 96 kDa; observed, 105 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB10525

Species Reactivity: Human

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

Immunogen

A synthesized peptide derived from human AhR

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

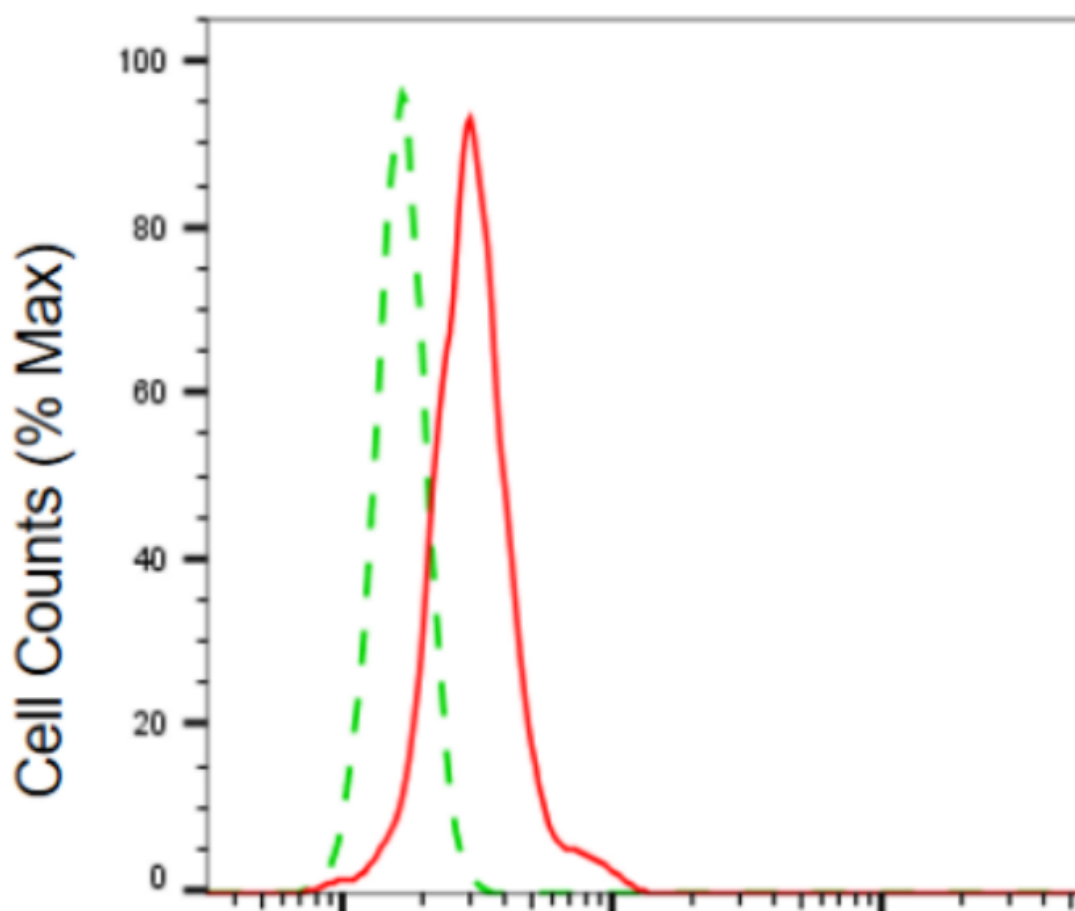
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TEL: +1-540-855-7041

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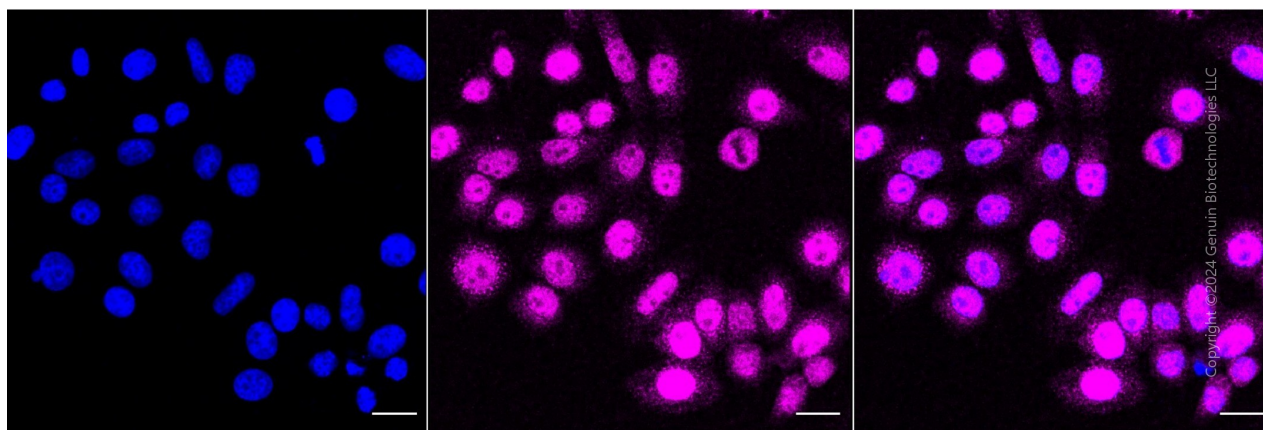
SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

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Aryl hydrocarbon receptor-Alexa Fluor® 647

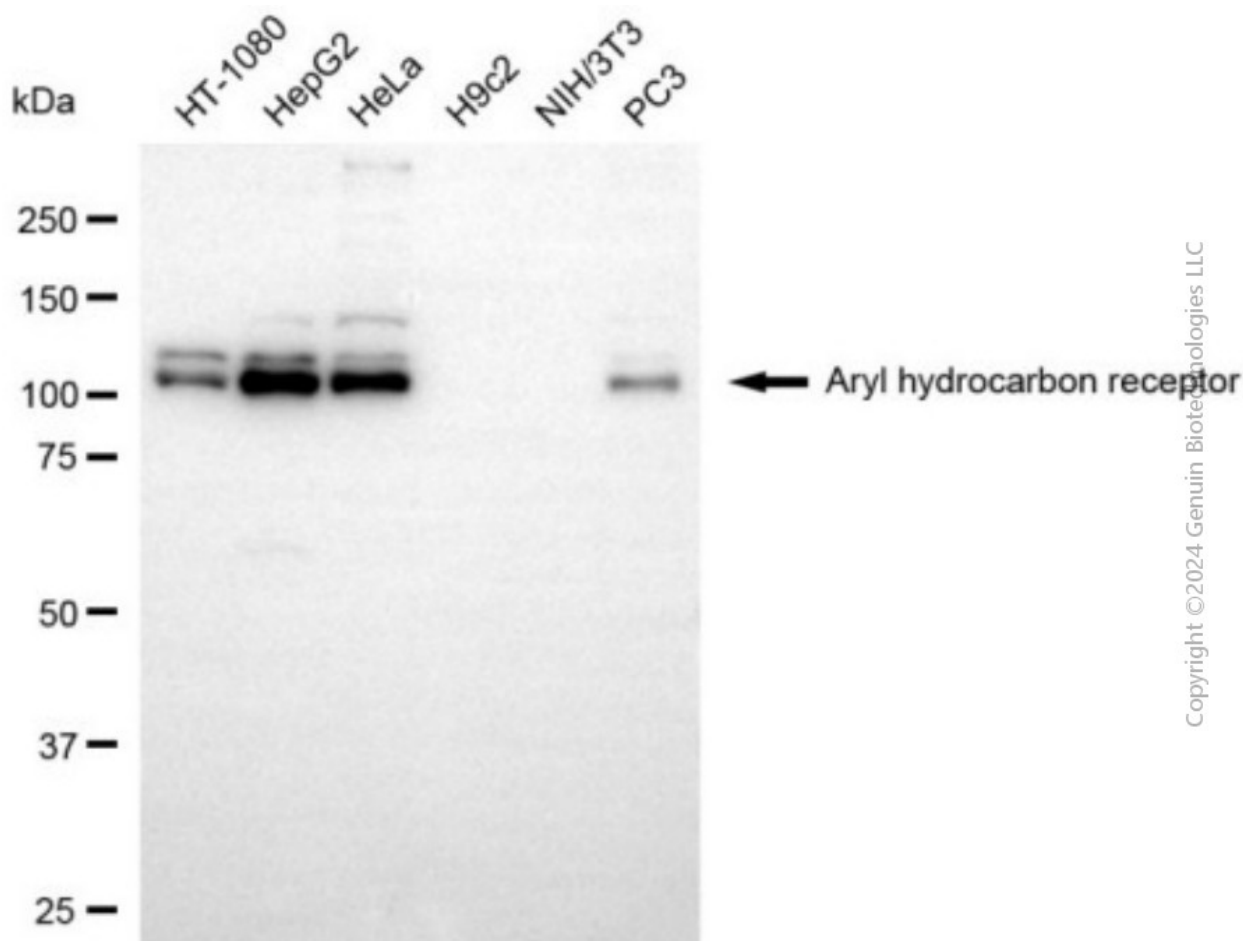
Flow cytometric analysis of aryl hydrocarbon receptor expression in HepG2 cells using anti-aryl hydrocarbon receptor antibody (Cat#4299, 1:2,000). Green, isotype control; red, aryl hydrocarbon receptor.



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Immunocytochemical staining of HepG2 cells with anti-Aryl hydrocarbon receptor antibody (Cat#4299, 1:1,000). Nuclei were stained blue with DAPI; Aryl hydrocarbon receptor 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-aryl hydrocarbon receptor antibody (Cat#4299). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-aryl hydrocarbon receptor antibody (Cat#4299, 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).

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