

Catalog #: 3671

Aliases

AQP2; Aquaporin 2; Water Channel Protein For Renal Collecting Duct; Collecting Duct Water Channel Protein; Aquaporin 2 (Collecting Duct); ADH Water Channel; Aquaporin-CD; Aquaporin-2; AQP-CD; WCH-CD; AQP-2; Water-Channel Aquaporin 2; NDI2

Background

Gene Name: AQP2

NCBI Gene Entry: [359](#)

UniProt Entry: [P41181](#)

Application Information

Molecular Weight: Predicted, 29 kDa; observed, 40 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB6835

Species Reactivity: Human

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

Immunogen

A synthesized peptide derived from human Aquaporin 2

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

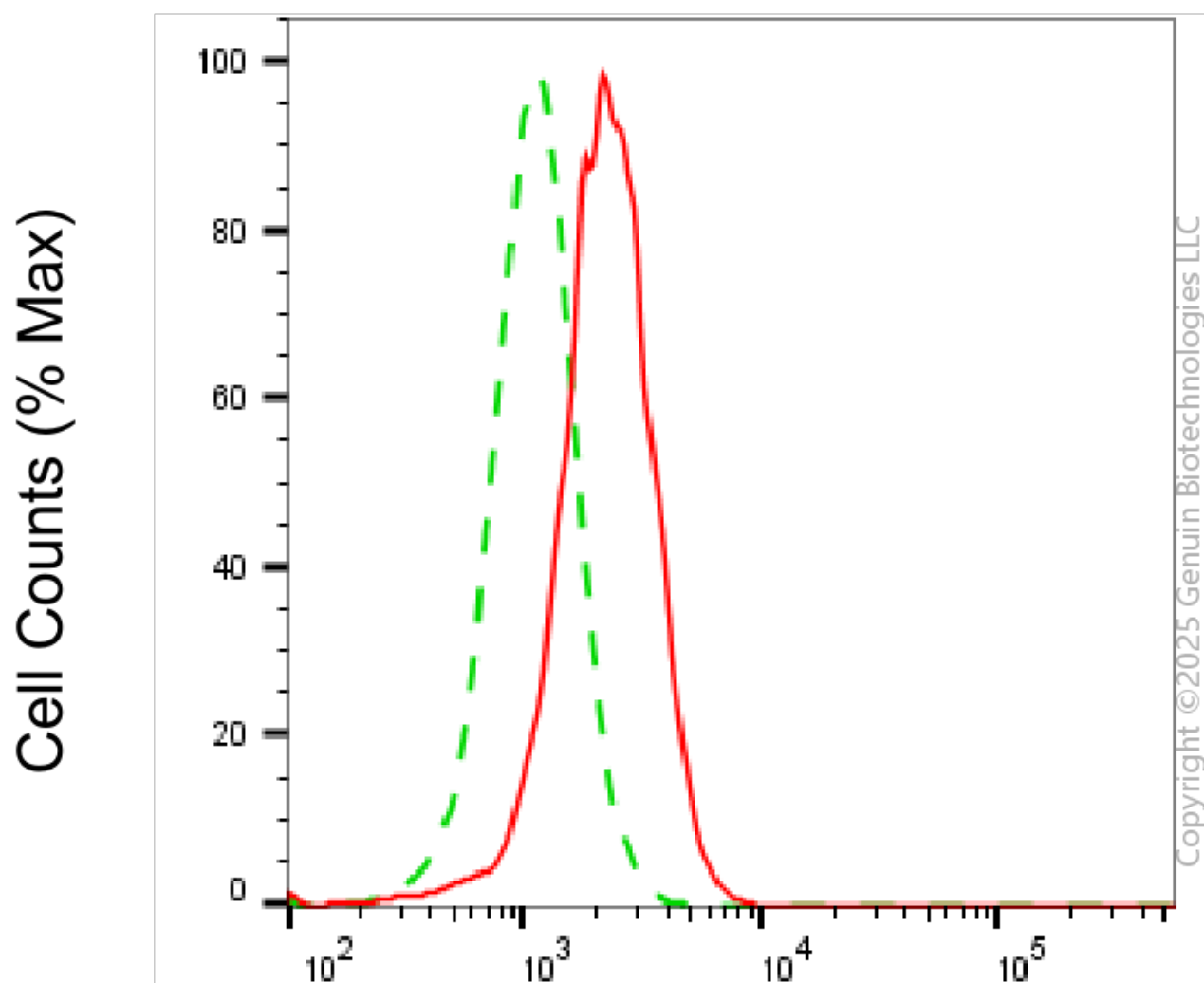
Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

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

Note: This product is for research use only.

Validation Data



Aquaporin 2-Alexa Fluor® 647

Flow cytometric analysis of Aquaporin 2 expression in HepG2 cells using anti-Aquaporin 2 antibody (Cat#3671, 1:2,000). Green, isotype control; red, Aquaporin 2.

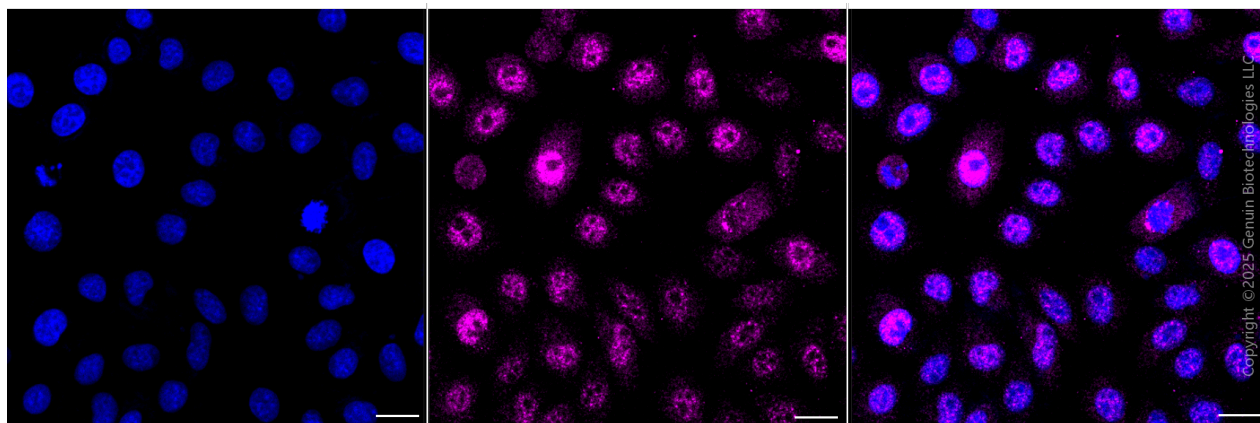
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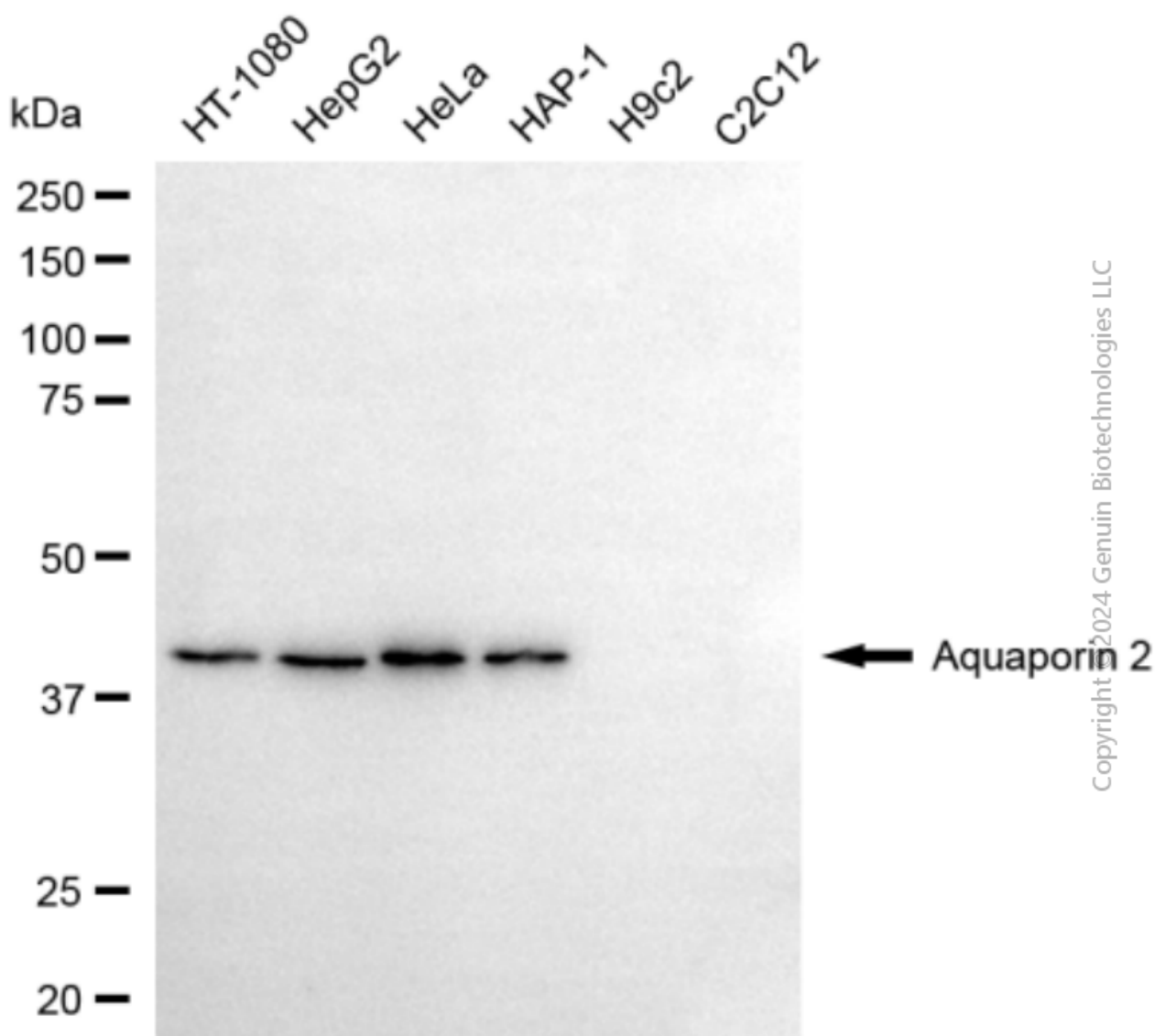
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Immunocytochemical staining of HepG2 cells with anti-Aquaporin 2 antibody (Cat#3671, 1:1,000) . Nuclei were stained blue with DAPI; Aquaporin 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-aquaporin 2 antibody (Cat#3671). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-aquaporin 2 antibody (Cat#3671, 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).

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