9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-Aquaporin 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2334

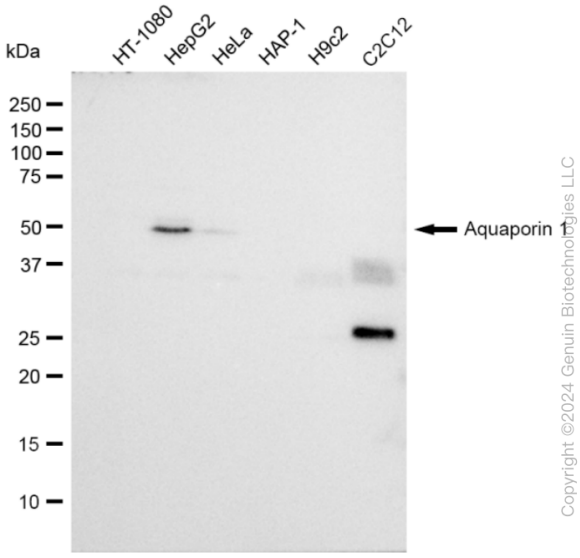
Product Overview

Name	KD-Validated Anti-Aquaporin 1 Rabbit Monoclonal Antibody
Accession(Primary)	P29972
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human AQP1
Species Reactivity	Human
Calculated MW	Predicted, 29 kDa ; Observed, 28 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000 Flow cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P29972)

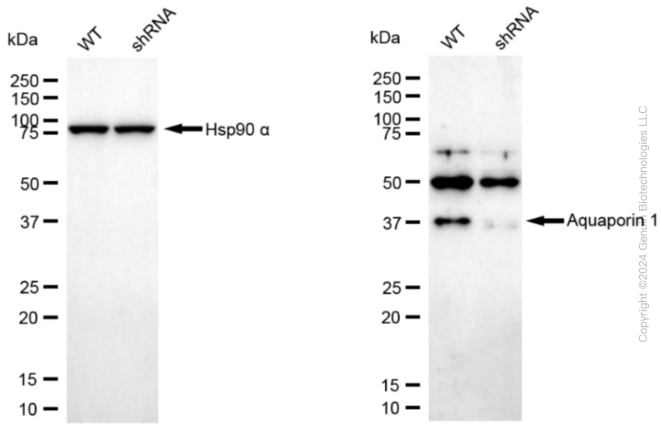
Gene Name	AQP1
About Gene Symbol	AQP1 (Aquaporin 1 (Colton Blood Group)) is a formin actin nucleator involved in adaptive immunity. It is an important research target in cell biology, cancer metastasis, and cytoskeletal research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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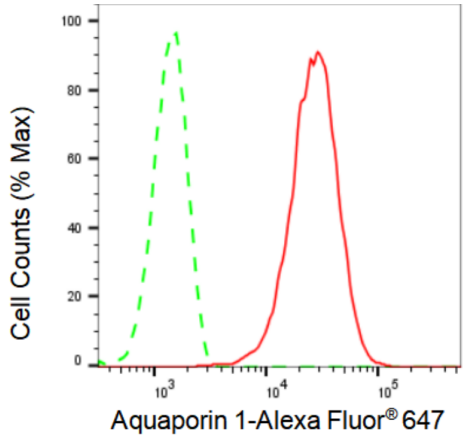
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Western blotting analysis using anti-Aquaporin 1 antibody (Cat#ABG2334). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Aquaporin 1 antibody (Cat#ABG2334, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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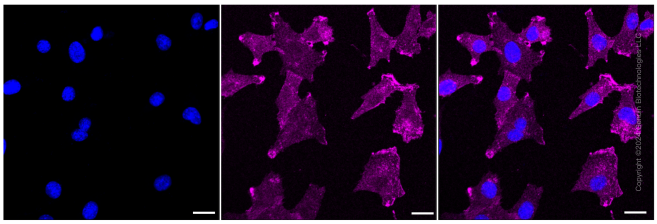
Western blotting analysis using anti-Aquaporin 1 antibody (Cat#ABG2334). Aquaporin 1 expression in wild type (WT) and aquaporin 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Aquaporin 1 antibody (Cat#ABG2334, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Aquaporin 1 expression in C2C12 cells using Aquaporin 1 antibody (Cat#ABG2334, 1:2,000). Green, isotype control; red, Aquaporin 1.

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Immunocytochemical staining of C2C12 cells with Aquaporin 1 antibody (Cat#ABG2334, 1:1,000). Nuclei were stained blue with DAPI; Aquaporin 1 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.