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

# KD-Validated Anti-ABCG2 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

ABG1189

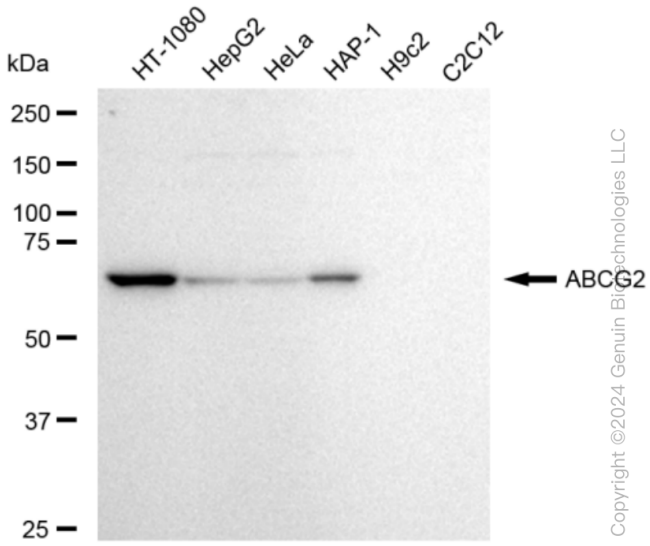
## Product Overview

| | |
|---|---|
| **Name** | KD-Validated Anti-ABCG2 Rabbit Monoclonal Antibody |
| **Accession(Primary)** | Q9UNQ0 |
| **Host Species** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Immunogen** | A synthesized peptide derived from human ABCG2 |
| **Species Reactivity** | Human |
| **Calculated MW** | Predicted, 72 kDa , observed, 72 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 (Q9UNQ0)

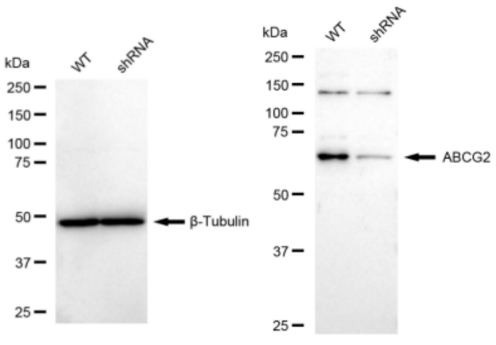
| | |
|---|---|
| **Gene Name** | ABCG2 |
| **About Gene Symbol** | ABCG2 (ATP Binding Cassette Subfamily G Member 2 (Junior Blood Group)) is a cell surface marker involved in adaptive immunity. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therap |

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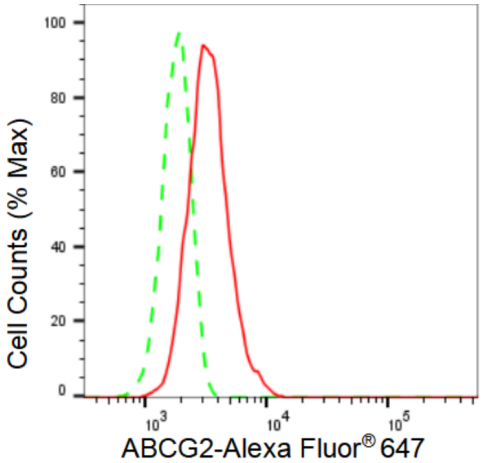

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Western blotting analysis using anti-ABCG2 antibody (Cat#ABG1189). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ABCG2 antibody (Cat#ABG1189, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




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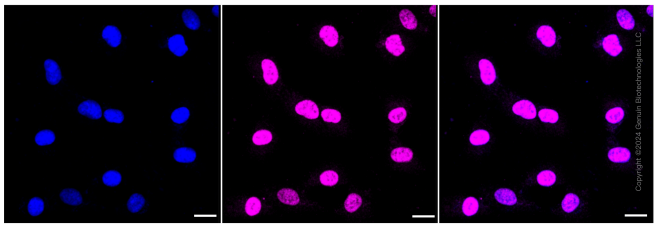
Western blotting analysis using anti-ABCG2 antibody (Cat#ABG1189). ABCG2 expression in wild type (WT) and ABCG2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-ABCG2 antibody (Cat#ABG1189, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




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Flow cytometric analysis of ABCG2 expression in HT-1080 cells using ABCG2 antibody (Cat#ABG1189, 1:2,000). Green, isotype control; red, ABCG2.

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Immunocytochemical staining of HT-1080 cells with ABCG2 antibody (Cat#ABG1189, 1:1,000). Nuclei were stained blue with DAPI; ABCG2 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.