9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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KD-Validated Anti-TRPM7 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1712

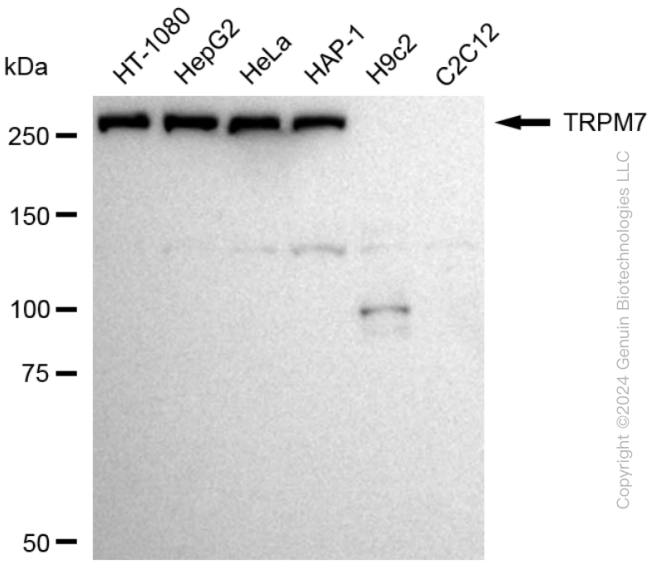
Product Overview

Name	KD-Validated Anti-TRPM7 Rabbit Monoclonal Antibody
Accession(Primary)	Q96QT4
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human TRPM7
Species Reactivity	Human
Calculated MW	Predicted, 213 kDa , observed , 260 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 Immunocytochemistry (IC): 1:100-1:1,000 Flow Cytometry (FCM): 1:2,000

Target information (Q96QT4)

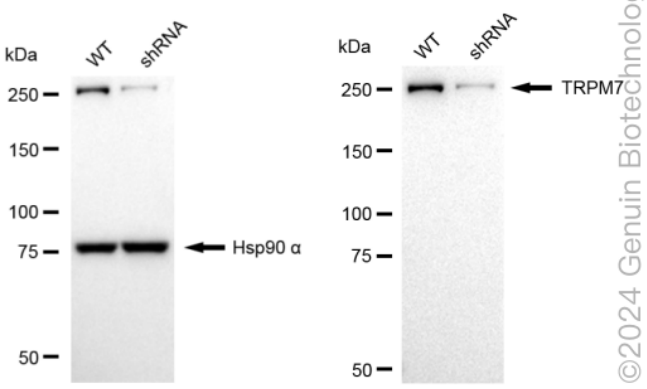
Gene Name	TRPM7
About Gene Symbol	TRPM7 (Transient Receptor Potential Cation Channel Subfamily M Member 7) is a membrane receptor involved in receptor-mediated signaling. It is an important research target in cell signaling, drug discovery, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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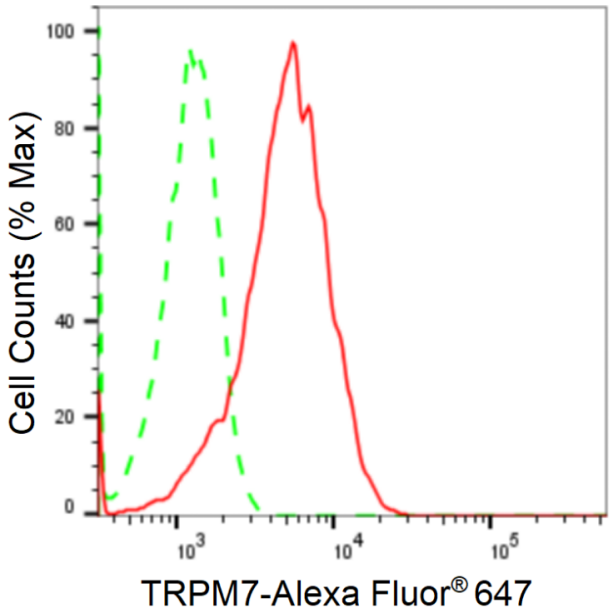
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Western blotting analysis using anti-TRPM7 antibody (Cat#ABG1712). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TRPM7 antibody (Cat#ABG1712, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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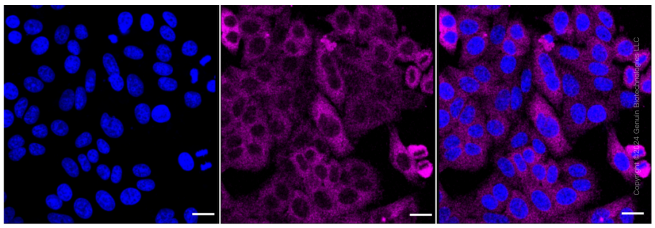
Western blotting analysis using anti-TRPM7 antibody (Cat#ABG1712). TRPM7 expression in wild type (WT) and TRPM7 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-TRPM7 antibody (Cat#ABG1712, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of TRPM7 expression in HepG2 cells using anti-TRPM7 antibody (Cat#ABG1712, 1:2,000). Green, isotype control; red, TRPM7.

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Immunocytochemical staining of HepG2 cells with anti-TRPM7 antibody (Cat#ABG1712, 1:1,000). Nuclei were stained blue with DAPI;TRPM7 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.