

KO-Validated Anti-SMN1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

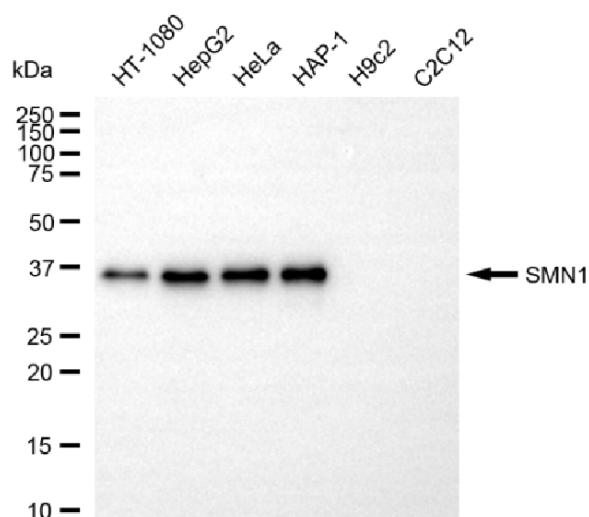
ABG2423

Product Overview

Name	KO-Validated Anti-SMN1 Rabbit Monoclonal Antibody
Accession(Primary)	Q16637
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human SMN1
Species Reactivity	Human
Calculated MW	Predicted, 32 kDa; observed, 36 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

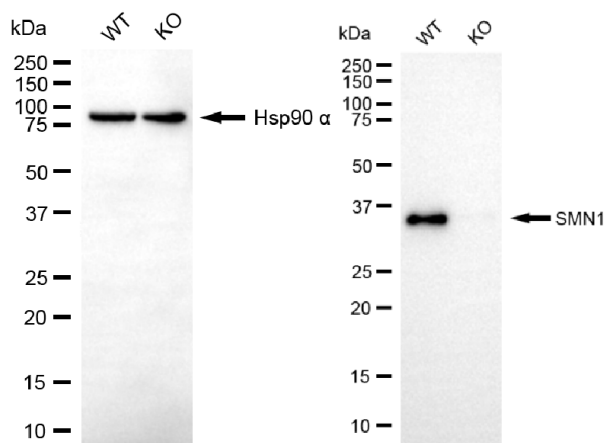
Target information (Q16637)

Gene Name	SMN1
About Gene Symbol	SMN1 (Survival Of Motor Neuron 1, Telomeric) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



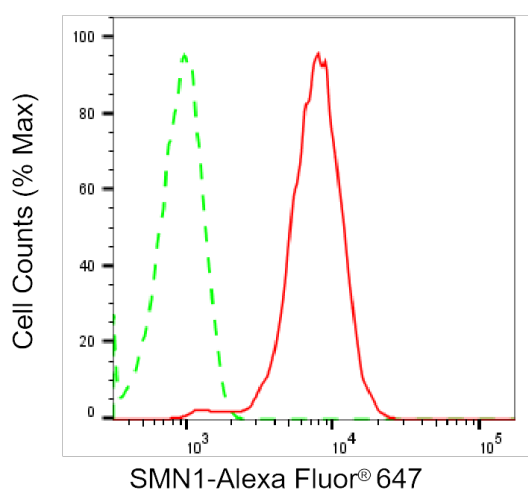
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Western blotting analysis using anti-SMN1 antibody (Cat#ABG2423). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SMN1 antibody (Cat#ABG2423, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



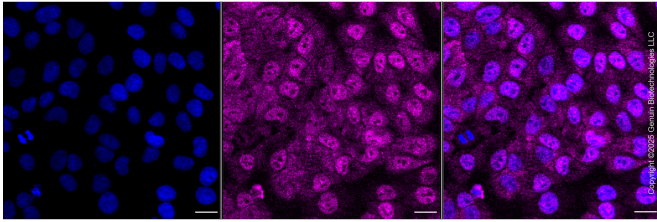
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Western blotting analysis using anti-SMN1 antibody (Cat#ABG2423). SMN1 expression in wild type (WT) and SMN1 knockout (KO) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-SMN1 antibody (Cat#ABG2423, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of SMN1 expression in HepG2 cells using anti-SMN1 antibody (Cat#ABG2423, 1:2,000). Green, isotype control; red, SMN1.



Immunocytochemical staining of HepG2 cells with anti-SMN1 antibody (Cat#ABG2423, 1:1,000).

Nuclei were stained blue with DAPI; SMN1 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.