

KD-Validated Anti-Chondroitin sulfate proteoglycan 4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

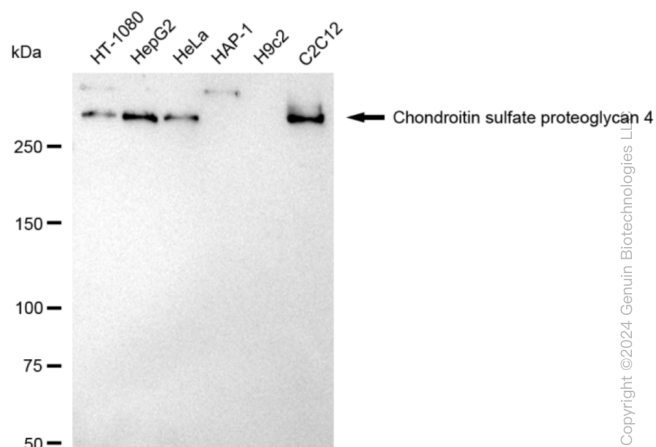
ABG1333

Product Overview

Name	KD-Validated Anti-Chondroitin sulfate proteoglycan 4 Rabbit Monoclonal Antibody
Accession(Primary)	Q6UVK1
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human NG2
Species Reactivity	Human, Mouse
Calculated MW	Predicted, 251 kDa , observed, 280 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

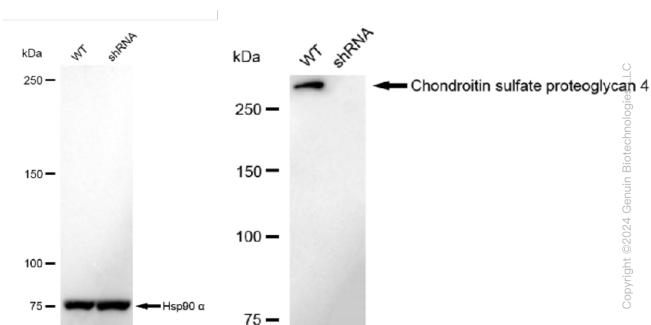
Target information (Q6UVK1)

Gene Name	CSPG4
About Gene Symbol	CSPG4 (Chondroitin Sulfate Proteoglycan 4) is a metabolic enzyme involved in cellular metabolism. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



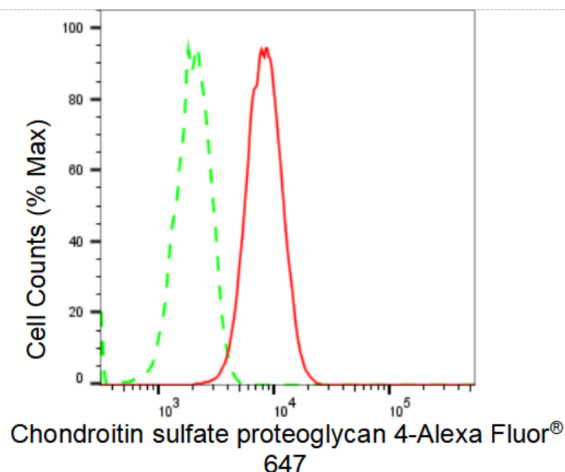
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Western blotting analysis using anti-Chondroitin sulfate proteoglycan 4 antibody (Cat#ABG1333). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Chondroitin sulfate proteoglycan 4 antibody (Cat#ABG1333, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



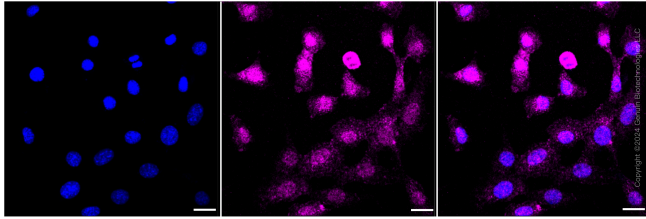
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Western blotting analysis using anti-Chondroitin sulfate proteoglycan 4 antibody (Cat#ABG1333). Chondroitin sulfate proteoglycan 4 expression in wild type (WT) and Chondroitin sulfate proteoglycan 4 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Chondroitin sulfate proteoglycan 4 antibody (Cat#ABG1333, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Chondroitin sulfate proteoglycan 4 expression in C2C12 cells using Chondroitin sulfate proteoglycan 4 antibody (Cat#ABG1333, 1:2,000). Green, isotype control; red, Chondroitin sulfate proteoglycan 4.



Immunocytochemical staining of C2C12 cells with Chondroitin sulfate proteoglycan 4 antibody (Cat#ABG1333, 1:1,000). Nuclei were stained blue with DAPI; Chondroitin sulfate proteoglycan 4 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.