Anti-Aggrecan Recombinant Rabbit Monoclonal Antibody

GenuIN BIOTECH
REAL MATTERS

Catalog #: 2970

Aliases

ACAN; Aggrecan; CSPGCP; CSPG1; MSK16; AGC1; Chondroitin Sulfate Proteoglycan Core Protein 1; Cartilage-Specific Proteoglycan Core Protein; Chondroitin Sulfate Proteoglycan 1; Aggrecan Core Protein; Large Aggregating Proteoglycan; Aggrecan Proteoglycan; Aggrecan 1; SSOAOD; AGCAN; CSPCP; SEDK

Background

Gene Name: ACAN
NCBI Gene Entry: 176
UniProt Entry: P16112

Application Information

Molecular Weight: Predicted, 261 kDa; observed, 250 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB3415
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunohistochemistry (IHC)

Immunogen

A synthesized peptide derived from human Aggrecan

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000
Immunohistochemistry (IHC): 1:100-1:200

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ORDERS
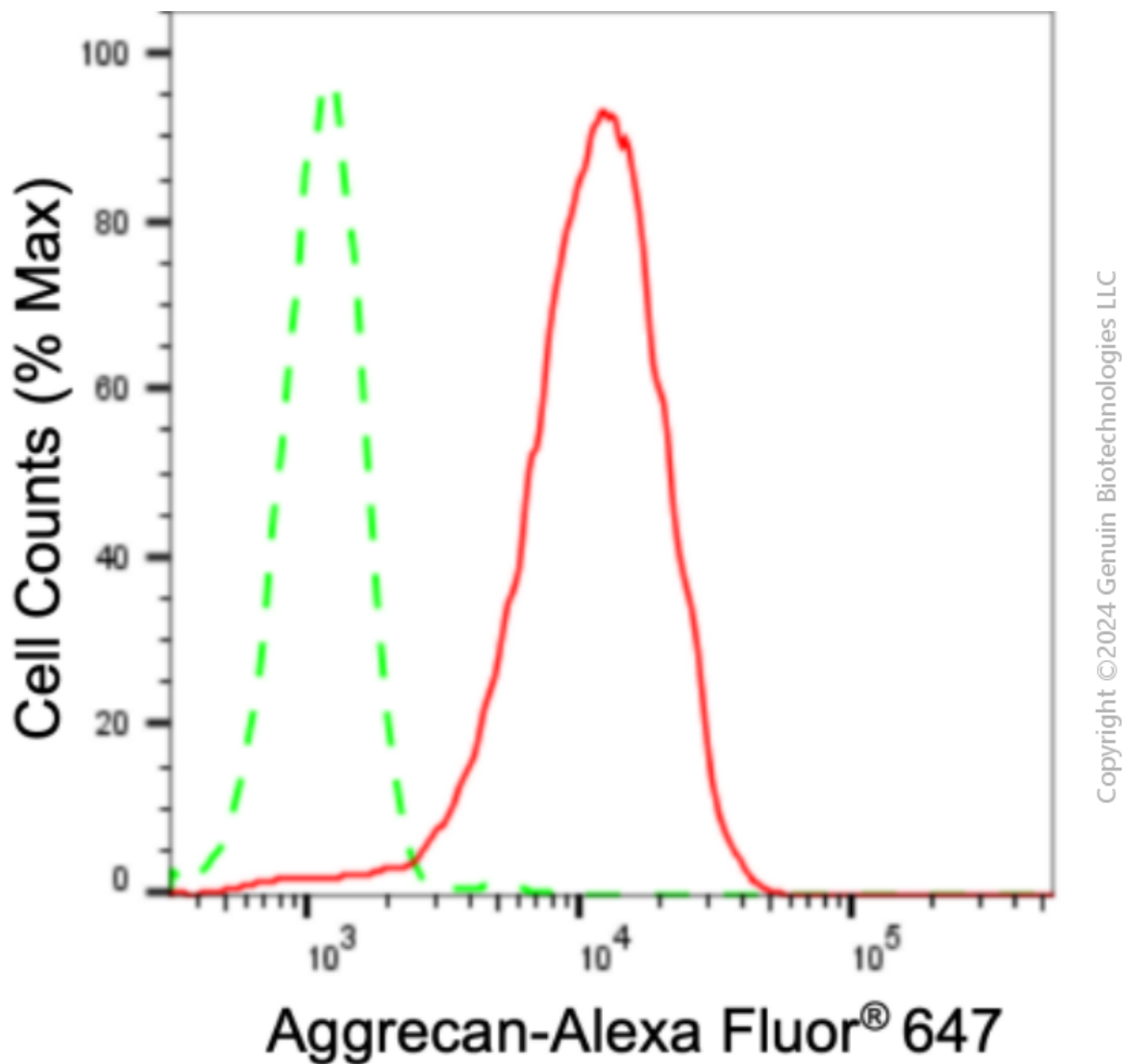SALES@GENUINBIOTECH.COM
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Note: This product is for research use only.

Validation Data

Flow cytometric analysis of Aggrecan expression in HepG2 cells using anti-Aggrecan antibody (Cat#2970, 1:2,000). Green, isotype control; red, Aggrecan.
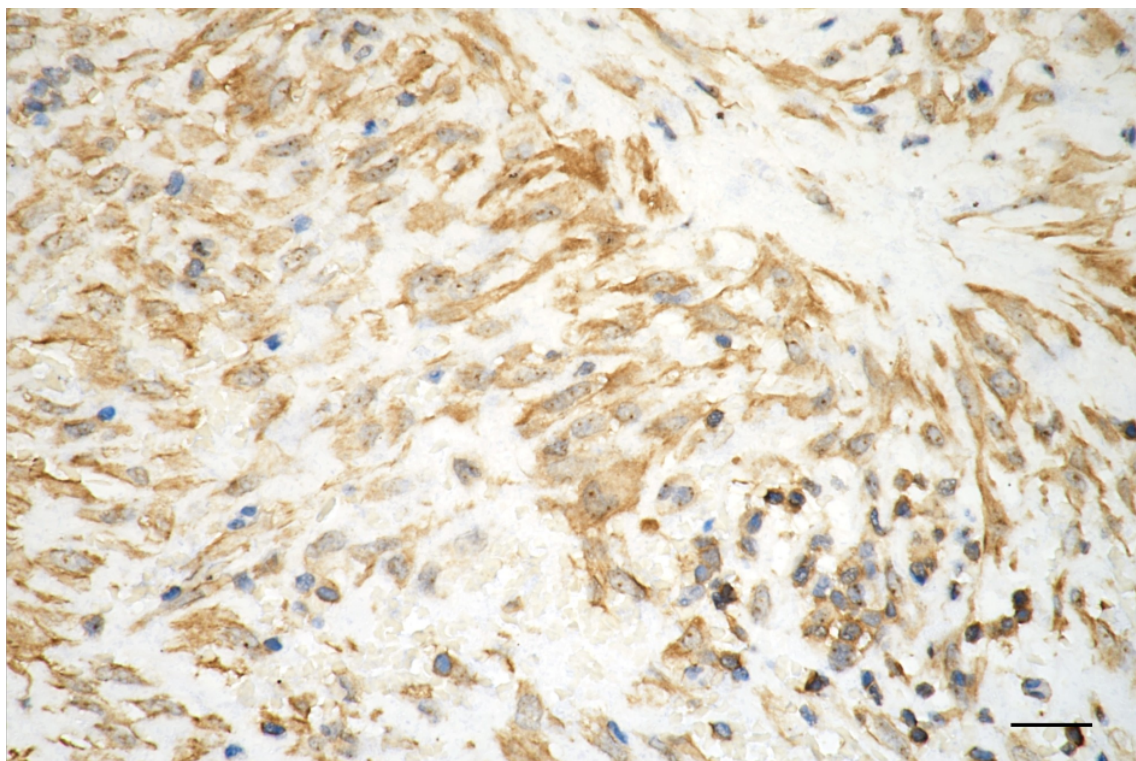

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Immunohistochemistry was performed on paraffin-embedded human hepatocarcinoma using anti-aggrecan antibody (Cat#2970, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.

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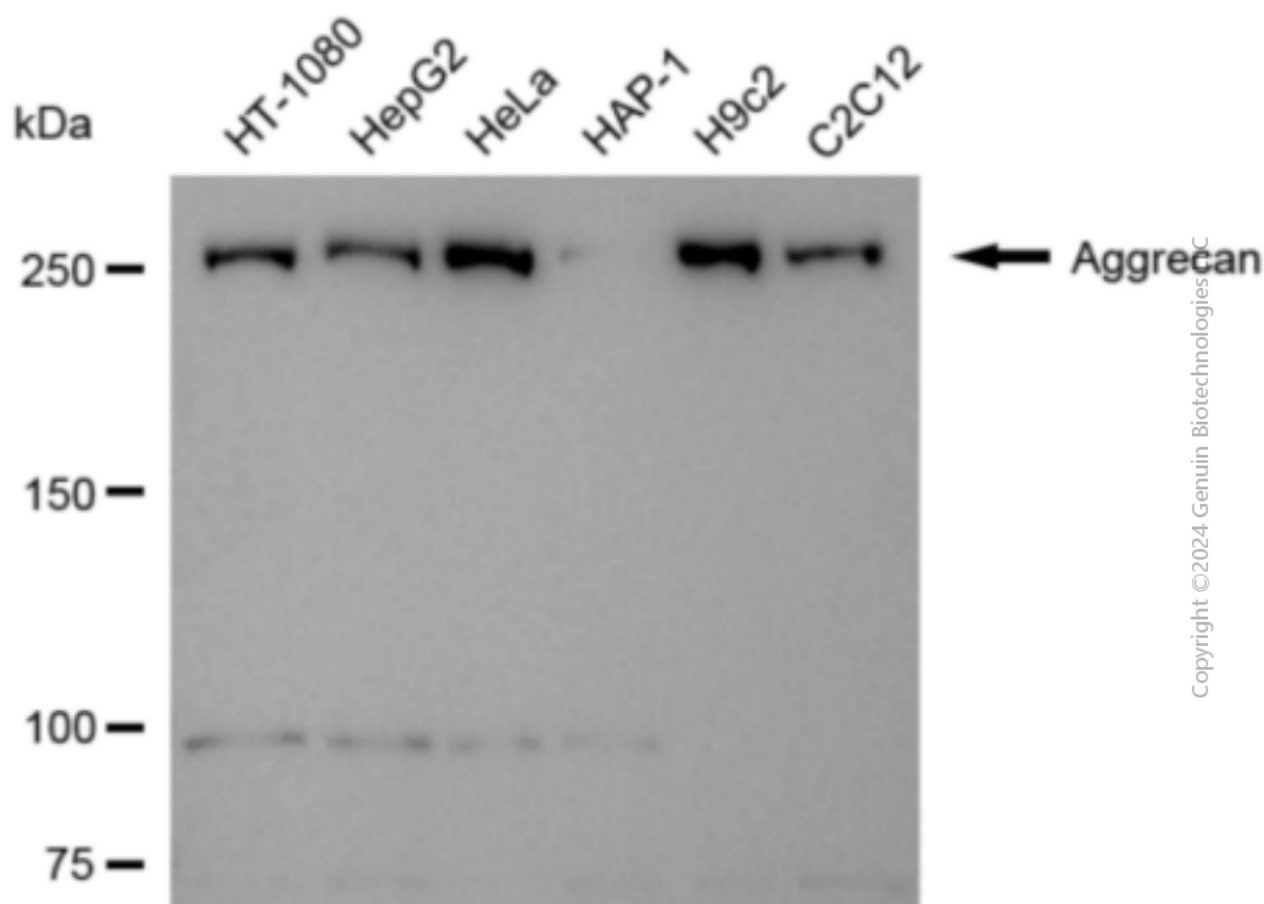
Western blotting analysis using anti-Aggrecan antibody (Cat#2970). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Aggrecan antibody (Cat#2970, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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