Anti-Collagen Type III Alpha 1 Chain Mouse Monoclonal Antibody

Catalog #: 3489

Aliases

Collagen Type III Alpha 1 Chain; Ehlers-Danlos Syndrome Type IV, Autosomal Dominant; Collagen, Type III, Alpha; Collagen Alpha-1(III) Chain; EDS4A; Alpha-1 Type III Collagen; Alpha1 (III) Collagen; Collagen, Fetal; EDSVASC; PMGEDSV

Background

Gene Name: COL3A1
NCBI Gene Entry: 1281
UniProt Entry: P02461

Application Information

Molecular Weight: Predicted, 139 kDa; observed, 150 kDa
Clonality: Mouse monoclonal antibody
Clone ID: 24GB5870
Species Reactivity: Mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human COL3A1

Isotype

Mouse IgG1

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):1:500-1:2,500
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000
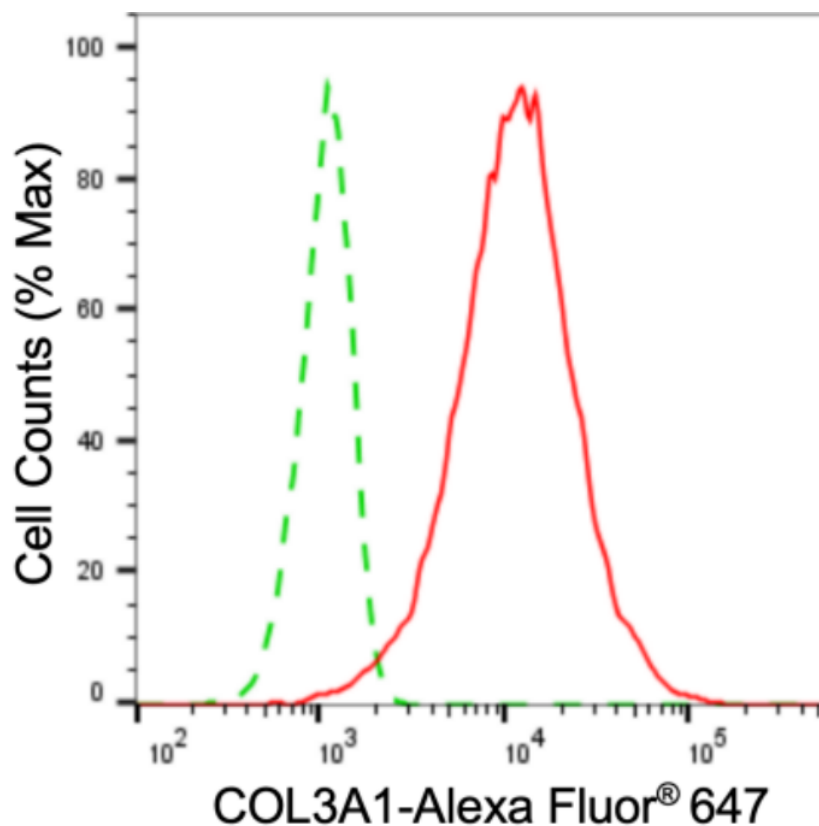
Note: This product is for research use only.

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Validation Data

Flow cytometric analysis of COL3A1 expression in H9c2 cells using anti-COL3A1 antibody (Cat#3489, 1:2,000). Green, isotype control; red, COL3A1.
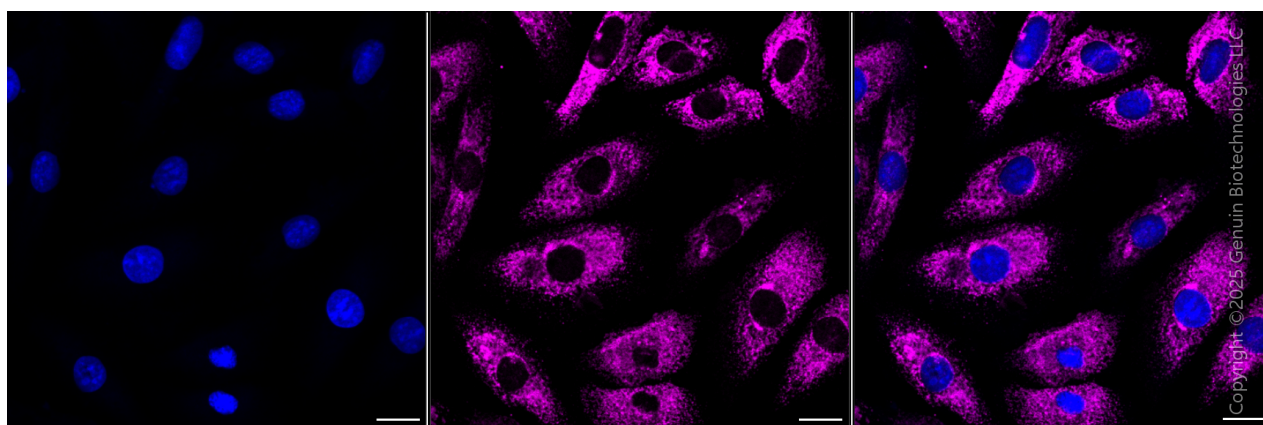
Immunocytochemical staining of H9C2 cells with anti-COL3A1 antibody (Cat#3489, 1:1,000) . Nuclei were stained blue with DAPI;COL3A1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 μm.
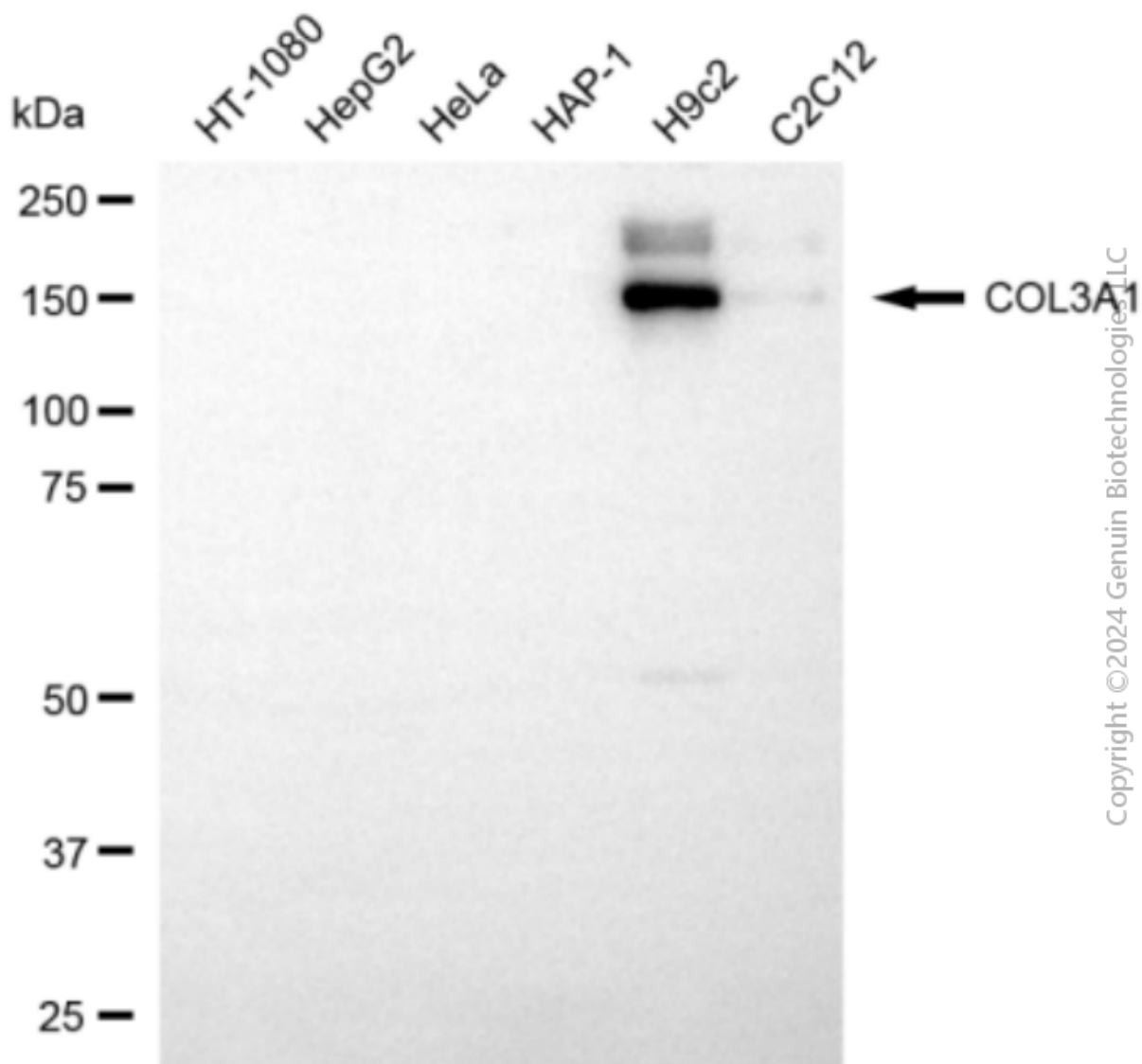
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Western blotting analysis using anti-COL3A1 antibody (Cat#3489). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-COL3A1 antibody (Cat#3489, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit(Cat#716). COL3A1, collagen type III alpha 1 chain.