

Anti-Alpha Smooth Muscle Actin Recombinant Rabbit Monoclonal Antibody



Catalog #: 1254

Aliases

ACTA2; Actin Alpha 2, Smooth Muscle; ACTSA; Cell Growth-Inhibiting Gene 46 Protein; Actin, Alpha 2, Smooth Muscle, Aorta; Actin, Aortic Smooth Muscle; Alpha-Cardiac Actin; Alpha-Actin-2; EC 3.6.4.-; ACTVS; α -SMA; alpha smooth muscle Actin; a SMA

Background

Gene Name: ACTA2

NCBI Gene Entry: 59

UniProt Entry: P62736

Application Information

Molecular Weight: Predicted, 42 kDa; observed, 42 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB2465

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human alpha smooth muscle Actin

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

Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

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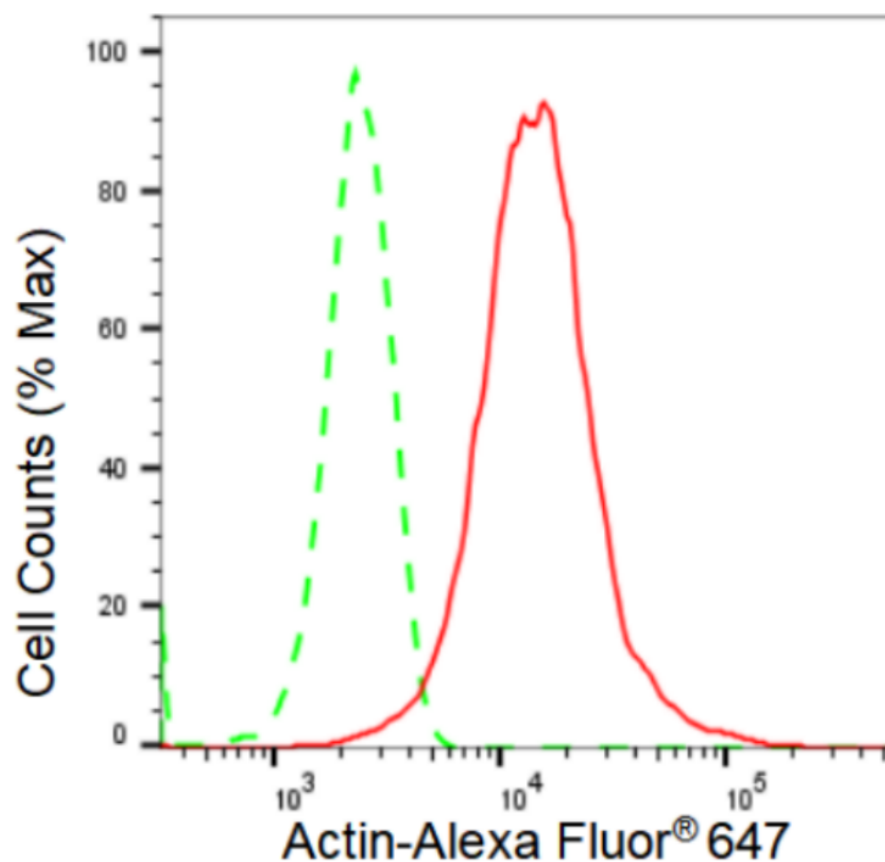
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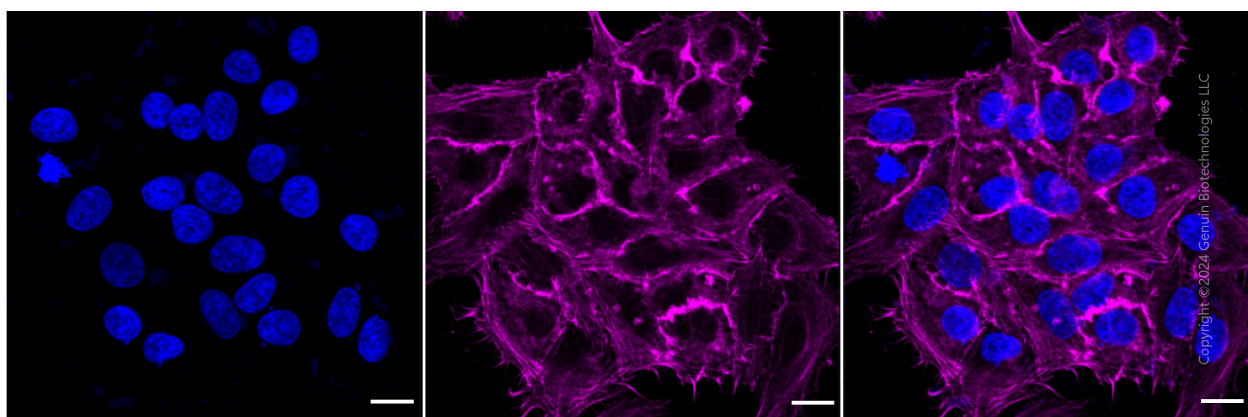
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Validation Data



Flow cytometric analysis of Actin expression in HepG2 cells using Actin antibody (Cat#1254, 1:2,000). Green, isotype control; red, Actin.



Immunocytochemical staining of HepG2 cells with anti-Actin antibody (Cat#1254, 1:1,000). Nuclei were stained blue with DAPI; Actin 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 μ m.

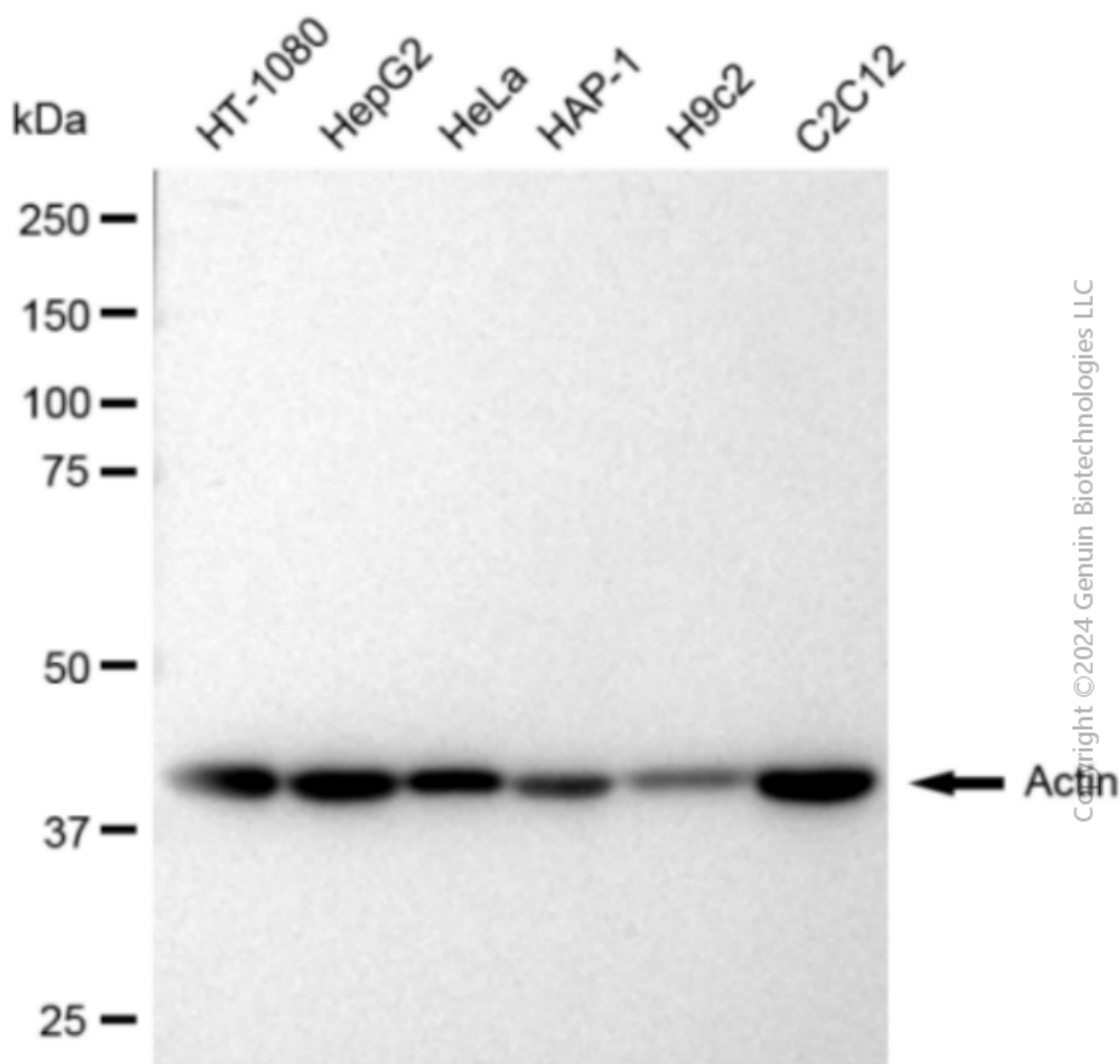
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Western blotting analysis using anti-Actin antibody (Cat#1254). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Actin antibody (Cat#1254, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).