

# Anti-Alpha Skeletal Muscle Actin Recombinant Rabbit Monoclonal Antibody



**Catalog #: 2171**

## Aliases

Actin Alpha 1, Skeletal Muscle; NEM3; ACTA; Actin, Alpha Skeletal Muscle; Nemaline Myopathy Type 3; Alpha-Actin-1; EC 3.6.4.-; CMYP2A; CMYP2B; CMYP2C; CFTD1; CFTDM; ASMA; CFTD; MPFD; NEM1; NEM2; SHPM

## Background

Gene Name: ACTA1  
NCBI Gene Entry: [58](#)  
UniProt Entry: [P68133](#)

## Application Information

Molecular Weight: Predicted, 42 kDa; observed, 42 kDa  
Clonality: Rabbit monoclonal antibody  
Clone ID: 23GB1320  
Species Reactivity: Human, mouse, rat  
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human 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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### SUPPORT

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### ORDERS

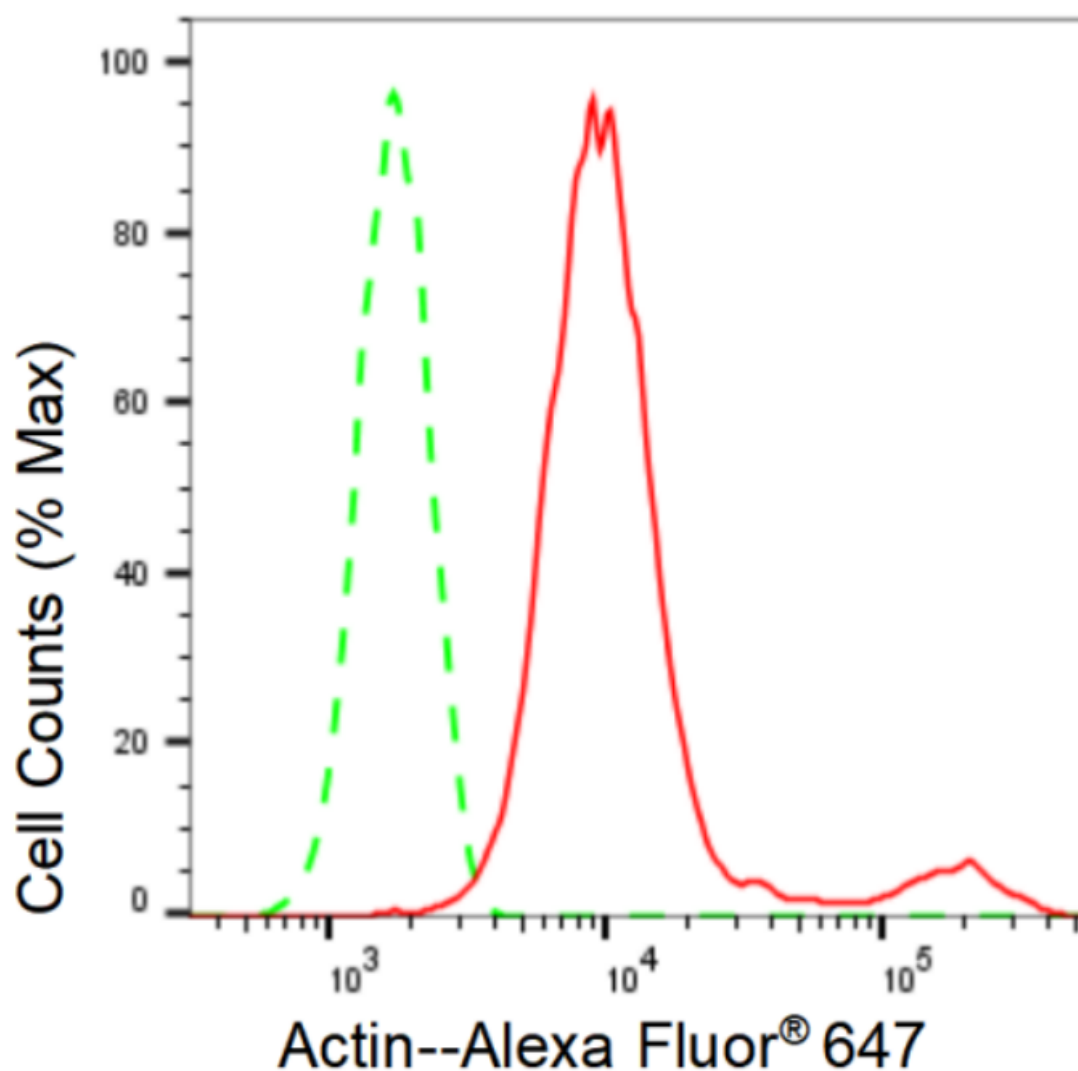
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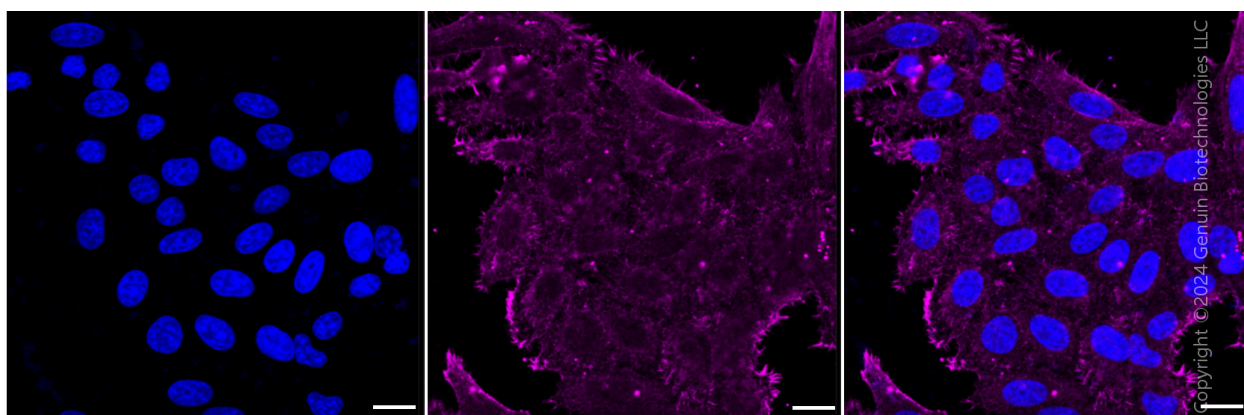
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## Validation Data



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Flow cytometric analysis of Actin expression in HT-1080 cells using Actin antibody (Cat#2171, 1:2,000). Green, isotype control; red, Actin.



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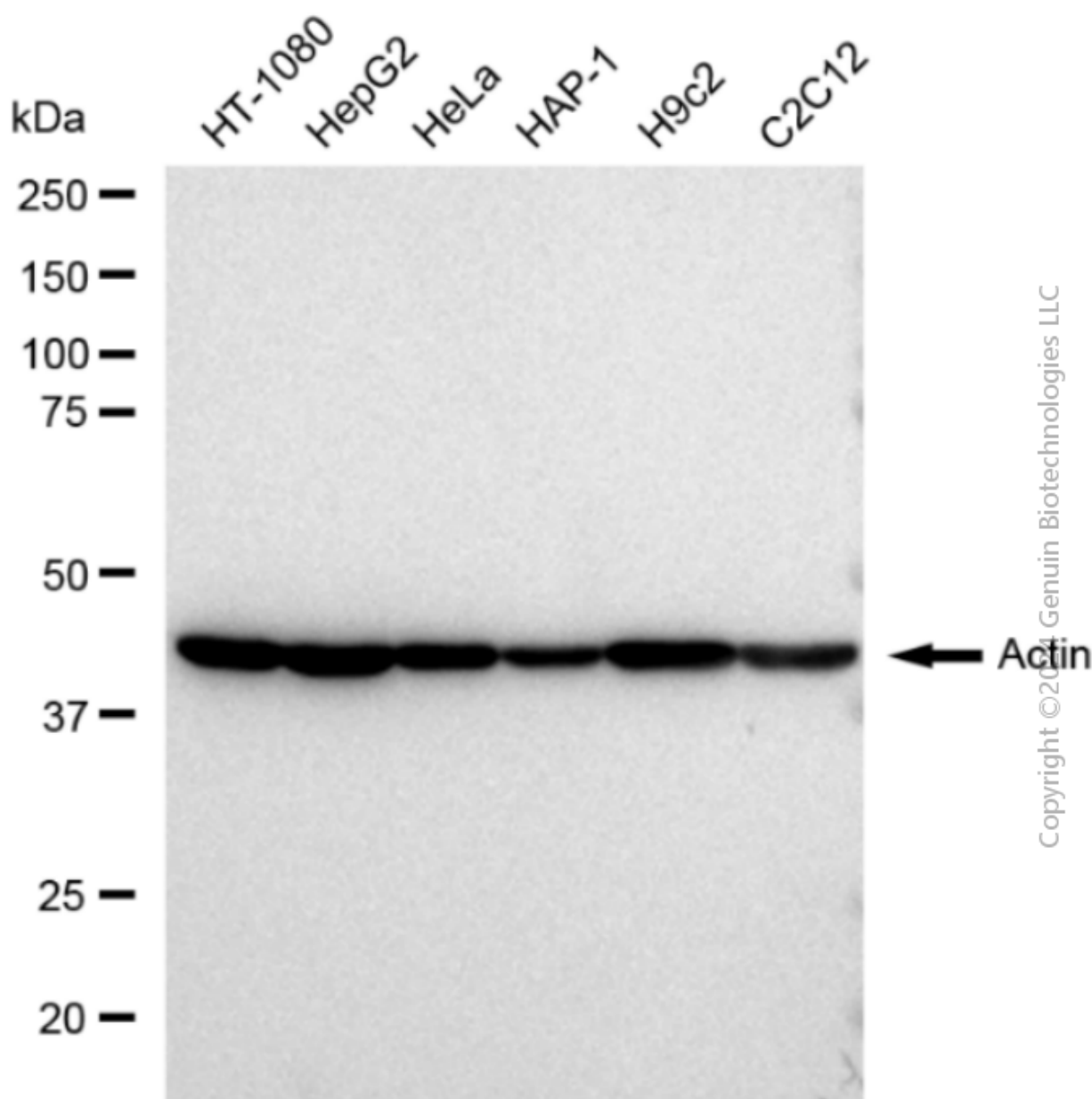
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Immunocytochemical staining of HepG2 cells with anti-Actin antibody (Cat#2171, 1:1,000). Nuclei were stained blue with DAPI; Actin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20  $\mu$ m.



Western blotting analysis using anti-Actin antibody (Cat#2171). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Actin antibody (Cat#2171, 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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