

KD-Validated Anti-CNN2 Mouse Monoclonal Antibody



Catalog #: 61838

Aliases

CNN2; Calponin 2; Calponin H2, Smooth Muscle; Neutral Calponin; Calponin-2

Background

Gene Name: CNN2

NCBI Gene Entry: [1265](#)

UniProt Entry: [Q99439](#)

Application Information

Molecular Weight: Predicted, 34 kDa; observed, 34 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 225GB3960

Species Reactivity: Human

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

Immunogen

Recombinant protein of human CNN2

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): 1:1,000

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

Note: This product is for research use only.

Validation Data

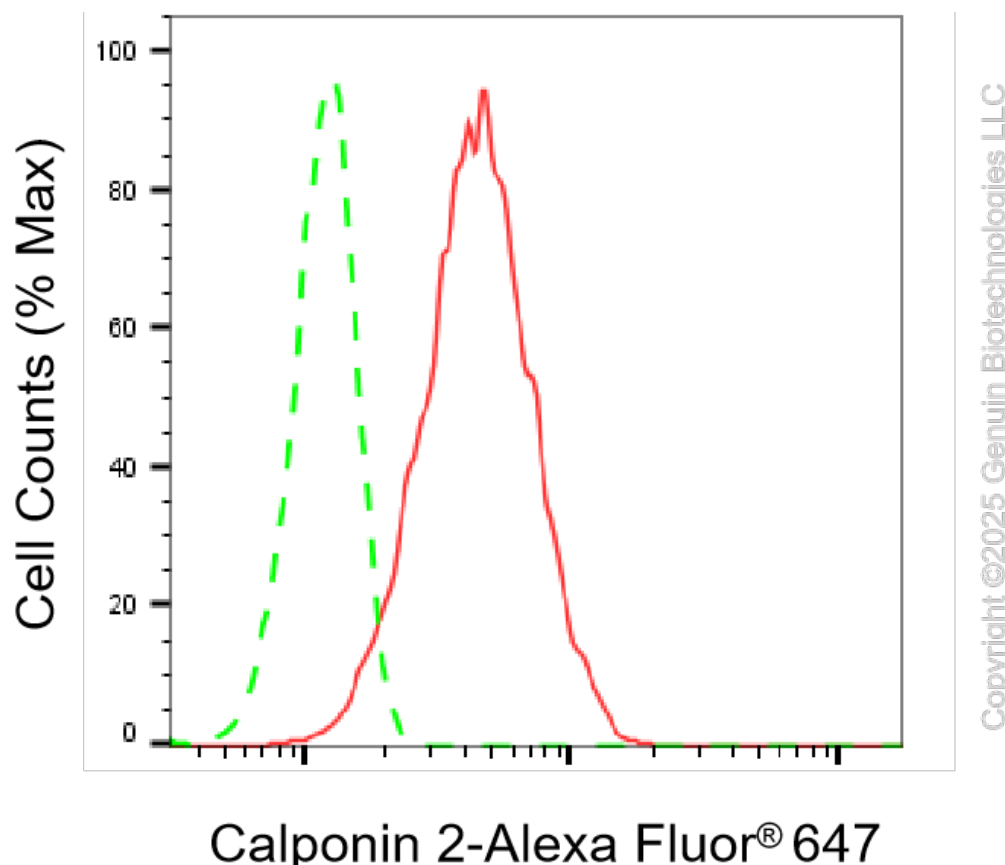
SUPPORT

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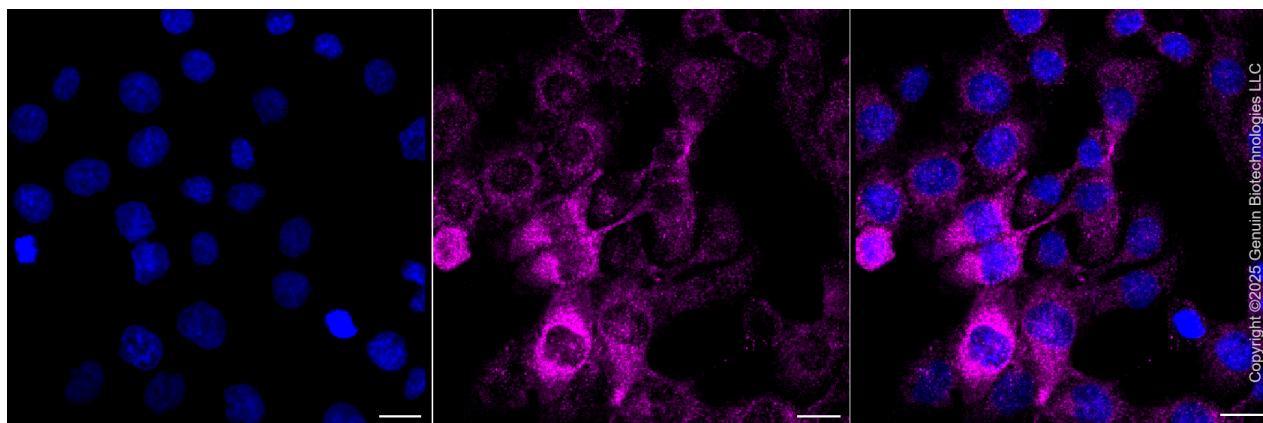
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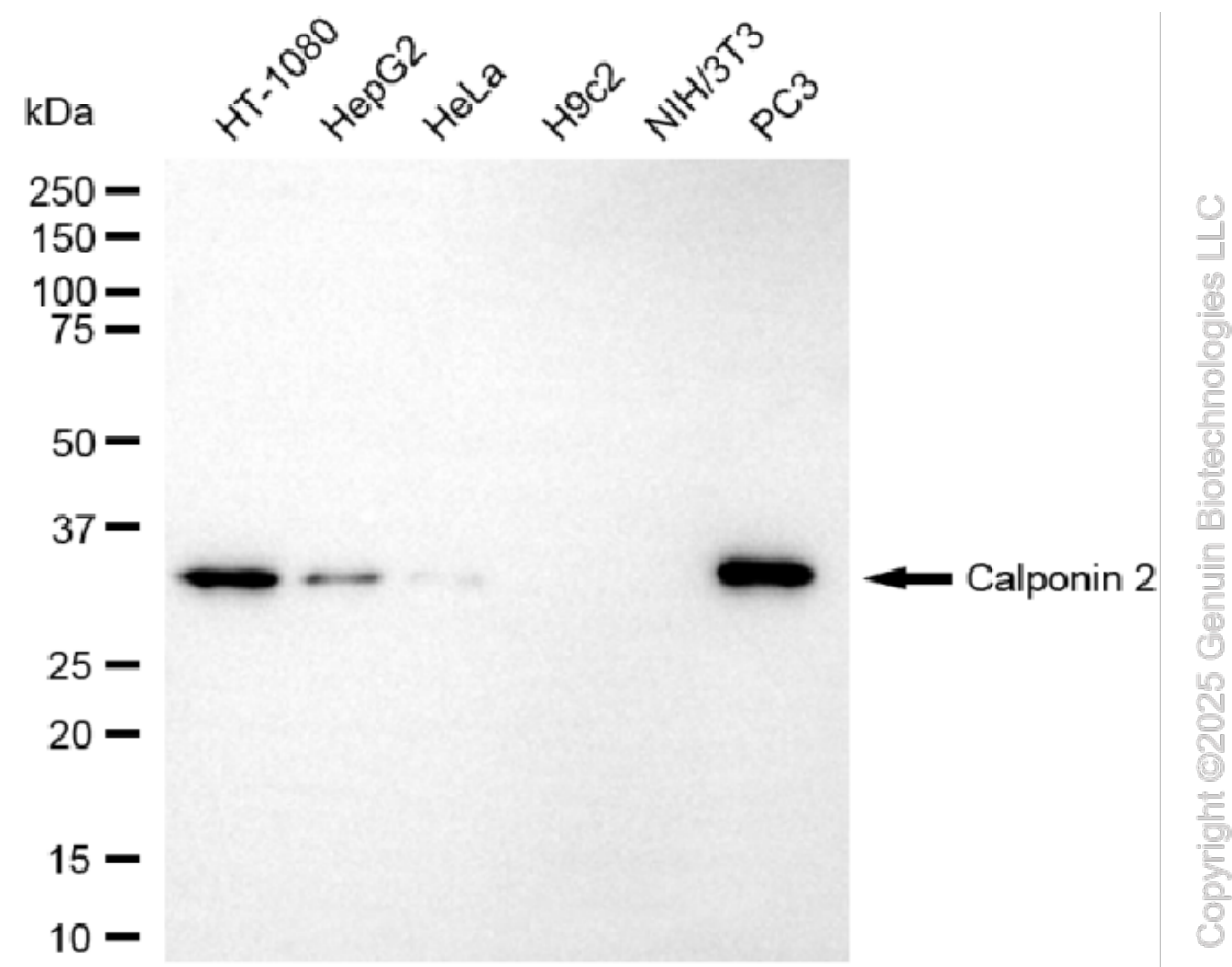
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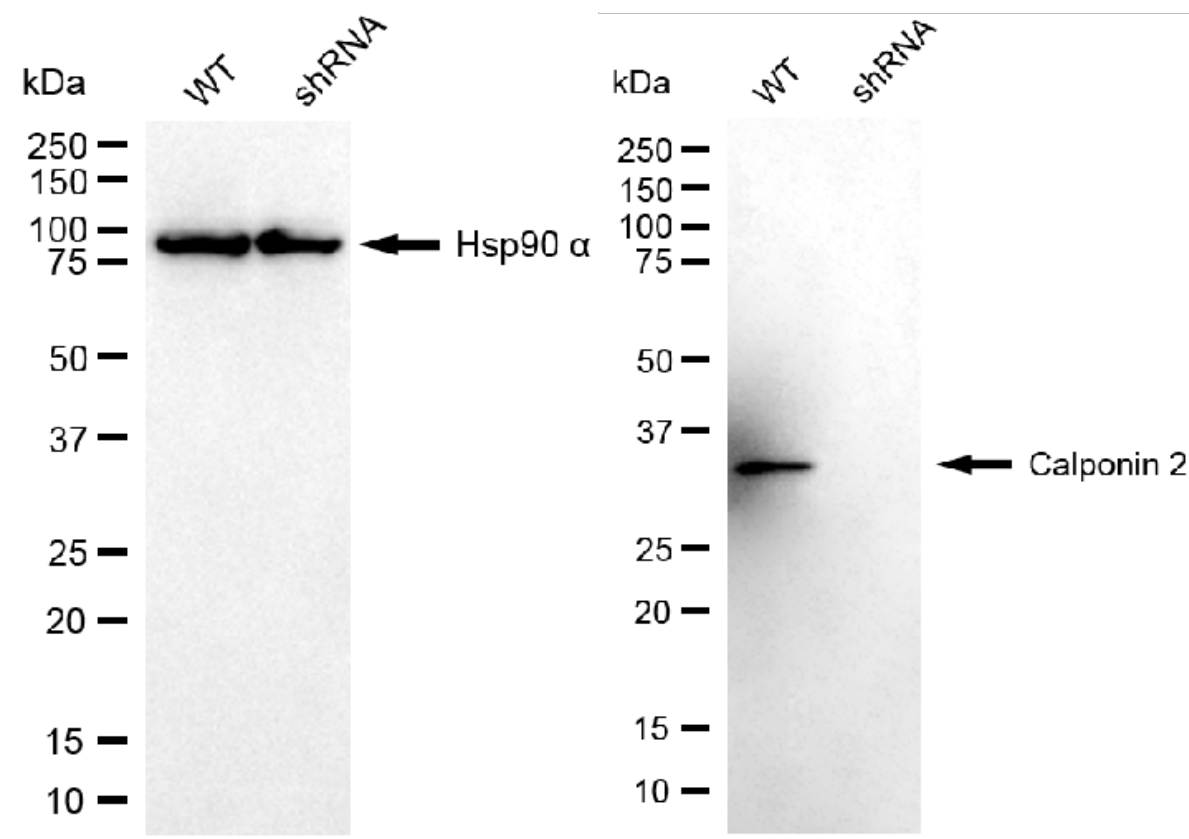
Flow cytometric analysis of Calponin 2 expression in HT-1080 cells using anti-Calponin 2 antibody (Cat#61838, 1:1,000). Green, isotype control; red, Calponin 2.



Immunocytochemical staining of HT-1080 cells with anti-Calponin 2 associated protein antibody (Cat#61838, 1:1,000). Nuclei were stained blue with DAPI; Calponin 2 associated protein 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.



Western blotting analysis using anti-calponin 2 antibody (Cat#61838). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-calponin 2 antibody (Cat#61838, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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Western blotting analysis using anti-calponin 2 antibody (Cat#61838). Calponin 2 expression in wild type (WT) and calponin 2 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-calponin 2 antibody (Cat#61838, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQTM ECL Substrate Kit (Cat#226).