9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-Calpain 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1193

Product Overview

Name	KD-Validated Anti-Calpain 1 Rabbit Monoclonal Antibody
Accession(Primary)	P07384
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Calpain 1 catalytic subunit
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 82 kDa, observed, 75 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P07384)

Gene Name	CAPN1
About Gene Symbol	CAPN1 (Calpain 1) is a metabolic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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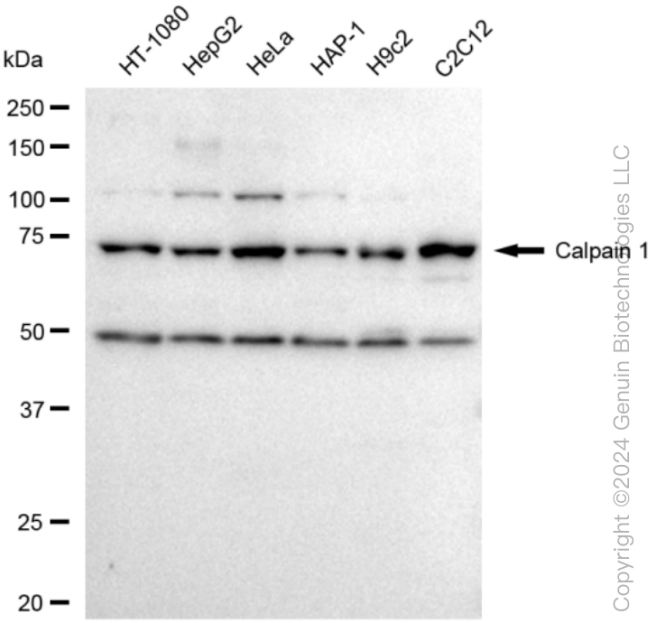

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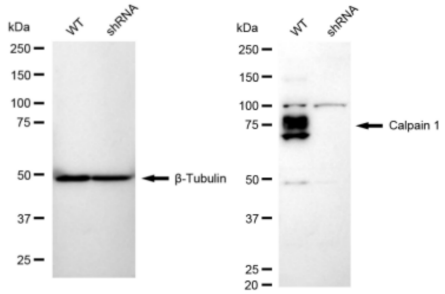
Western blotting analysis using anti-Calpain 1 antibody (Cat#ABG1193). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Calpain 1 antibody (Cat#ABG1193, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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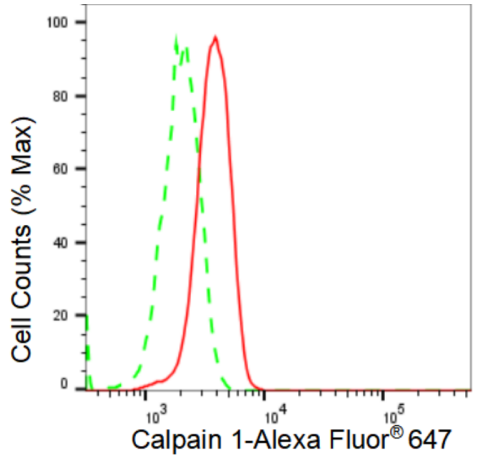
Western blotting analysis using anti-Calpain 1 antibody (Cat#ABG1193). Calpain 1 expression in wild type (WT) and Calpain 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Calpain 1 antibody (Cat#ABG1193, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Calpain 1 expression in C2C12 cells using Calpain 1 antibody (Cat#ABG1193, 1:2,000). Green, isotype control; red, Calpain 1.

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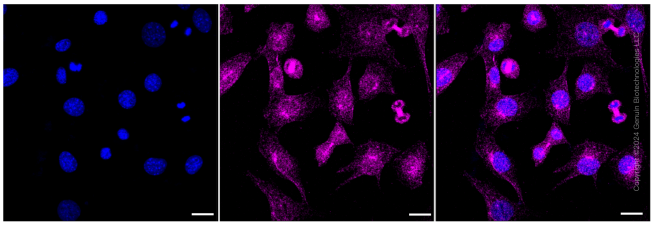

Immunocytochemical staining of C2C12 cells with Calpain 1 antibody (Cat#ABG1193, 1:1,000). Nuclei were stained blue with DAPI; Calpain 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.