

KD-Validated Anti-Calpain small subunit 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

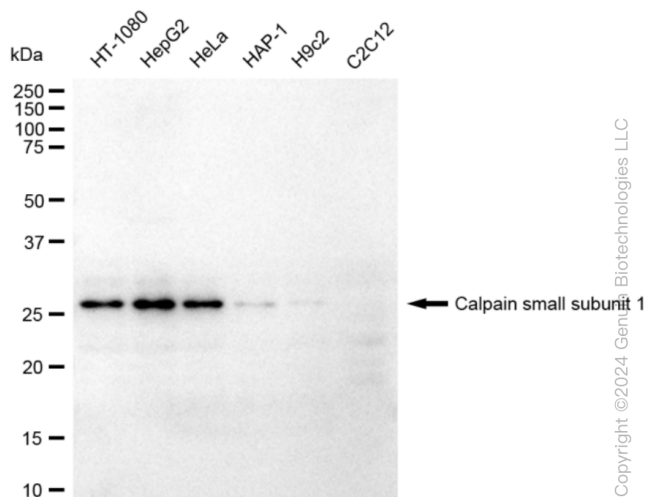
ABG1230

Product Overview

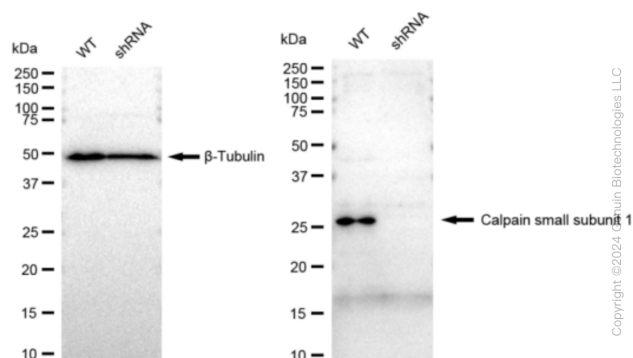
Name	KD-Validated Anti-Calpain small subunit 1 Rabbit Monoclonal Antibody
Accession(Primary)	P04632
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Calpain small subunit 1
Species Reactivity	Human
Calculated MW	Predicted, 28 kDa , observed, 28 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 (P04632)

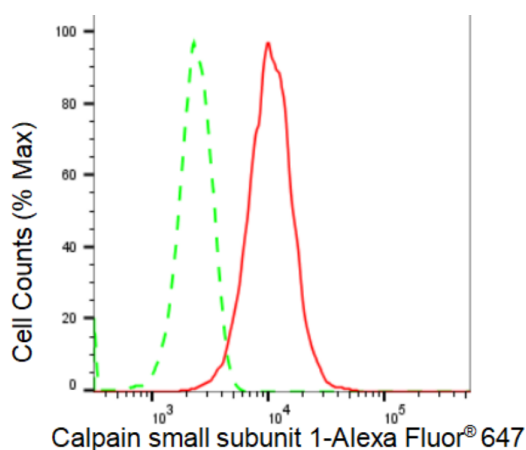
Gene Name	CAPNS1
About Gene Symbol	CAPNS1 (Calpain Small Subunit 1) is a protease enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



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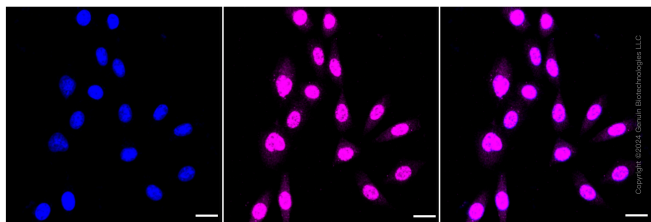


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Western blotting analysis using anti-Calpain small subunit 1 antibody (Cat#ABG1230). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Calpain small subunit 1 antibody (Cat#ABG1230, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

Western blotting analysis using anti-Calpain small subunit 1 antibody (Cat#ABG1230). Calpain small subunit 1 expression in wild type (WT) and Calpain small subunit 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 small subunit 1 antibody (Cat#ABG1230, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

Flow cytometric analysis of Calpain small subunit 1 expression in HepG2 cells using Calpain small subunit 1 antibody (Cat#ABG1230, 1:2,000). Green, isotype control; red, Calpain small subunit 1.



Immunocytochemical staining of HepG2 cells with Calpain small subunit 1 antibody (Cat#ABG1230, 1:1,000). Nuclei were stained blue with DAPI; Calpain small subunit 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 .