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

KD-Validated Anti-pro Caspase 3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2313

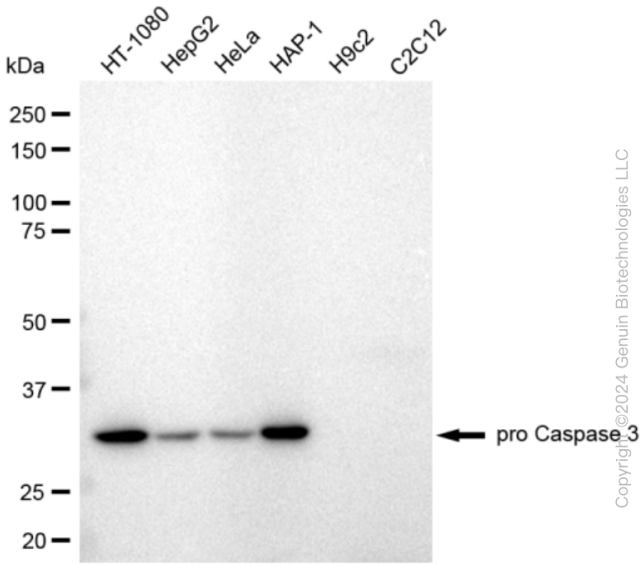
Product Overview

Name	KD-Validated Anti-pro Caspase 3 Rabbit Monoclonal Antibody
Accession(Primary)	P42574
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human pro Caspase 3
Species Reactivity	Human
Calculated MW	Predicted, 32 kDa , observed, 35 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:2,000-1:10,000 Immunocytochemical (IC): 1:1,000 Flow Cytometry (FCM): 1:2,000

Target information (P42574)

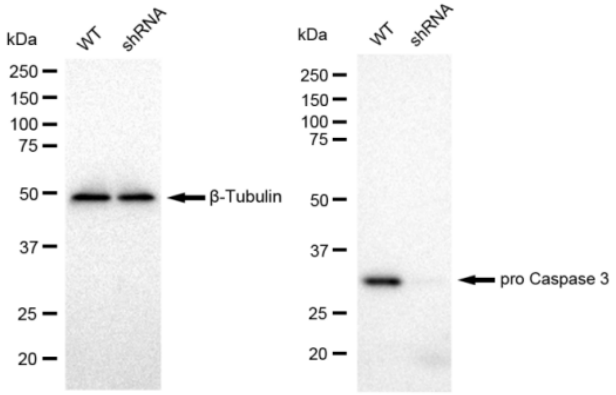
Gene Name	CASP3
About Gene Symbol	CASP3 (Caspase 3) is a cysteine protease (caspase) involved in apoptosis. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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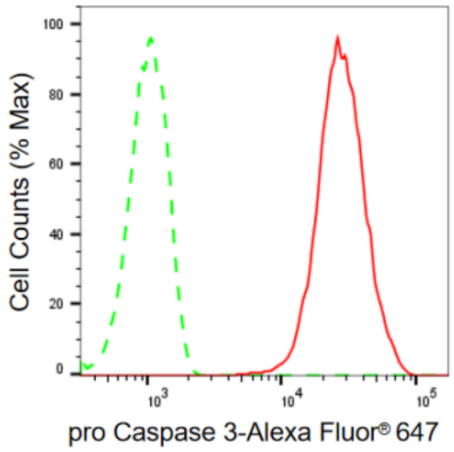
Western blotting analysis using anti-pro Caspase 3 antibody (Cat#ABG2313). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-pro Caspase 3 antibody (Cat#ABG2313, 1:10,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.

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Western blotting analysis using anti-pro Caspase 3 antibody (Cat#ABG2313). pro Caspase 3 expression in wild type (WT) and pro Caspase 3 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-pro Caspase 3 antibody (Cat#ABG2313,1:10,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.

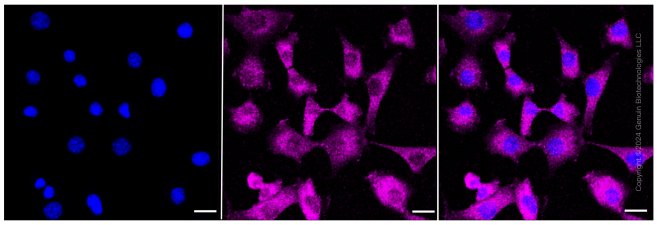
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Flow cytometric analysis of pro Caspase 3 expression in HT-1080 cells using pro Caspase 3 antibody (Cat#ABG2313,1:2,000). Green, isotype control; red, pro Caspase 3.

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Immunocytochemical staining of C2C12 cells with pro Caspase 3 antibody (Cat#ABG2313, 1:1,000). Nuclei were stained blue with DAPI; Pro Caspase 3 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.