

KD-Validated Anti-Caspase-9 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI2385**Specification****KD-Validated Anti-Caspase-9 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P55211
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 46 kDa ; Observed, 46 kDa KDa
Gene Name	CASP9
Aliases	CASP9; Caspase 9; ICE-LAP6; APAF-3; MCH6; PPP1R56; Caspase 9, Apoptosis-Related Cysteine Peptidase; Protein Phosphatase 1, Regulatory Subunit 56; ICE-Like Apoptotic Protease 6; Caspase-9; Caspase 9, Apoptosis-Related Cysteine Protease; Apoptotic Protease Activating Factor 3; Apoptotic Protease-Activating Factor 3; Apoptotic Protease MCH-6; Apoptotic Protease Mch-6; EC 3.4.22.62; CASP-9; APAF3
Immunogen	A synthesized peptide derived from human CASP9

KD-Validated Anti-Caspase-9 Rabbit Monoclonal Antibody - Additional Information

Gene ID	842
Other Names	Caspase-9, CASP-9, 3.4.22.62, Apoptotic protease Mch-6, Apoptotic protease-activating factor 3, APAF-3, ICE-like apoptotic protease 6, ICE-LAP6, Caspase-9 subunit p35, Caspase-9 subunit p10, CASP9, MCH6

KD-Validated Anti-Caspase-9 Rabbit Monoclonal Antibody - Protein Information**Name** CASP9**Synonyms** MCH6**Function**

Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates effector caspases caspase-3 (CASP3) or caspase-7 (CASP7). Promotes DNA damage- induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Cleaves BIRC6 following inhibition of BIRC6-caspase binding by DIABLO/SMAC (PubMed:36758105, PubMed:36758105).

href="http://www.uniprot.org/citations/36758106" target="_blank">36758106).

Tissue Location

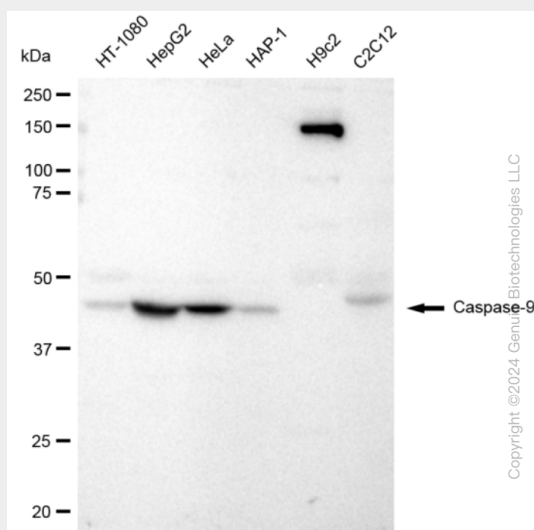
Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

KD-Validated Anti-Caspase-9 Rabbit Monoclonal Antibody - Protocols

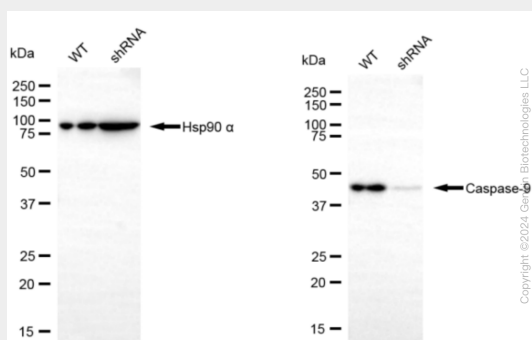
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

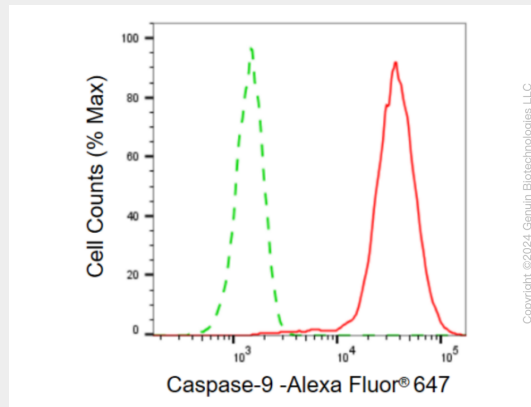
KD-Validated Anti-Caspase-9 Rabbit Monoclonal Antibody - Images



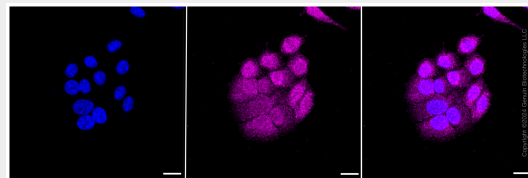
Western blotting analysis using anti-Caspase-9 antibody (Cat#AGI2385). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Caspase-9 antibody (Cat#AGI2385, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Western blotting analysis using anti-Caspase-9 antibody (Cat#AGI2385). Caspase-9 expression in wild type (WT) and Caspase-9 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Caspase-9 antibody (Cat#AGI2385, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Flow cytometric analysis of Caspase-9 expression in HepG2 cells using Caspase-9 antibody (Cat#AGI2385, 1:2,000). Green, isotype control; red, Caspase-9.



Immunocytochemical staining of HepG2 cells with Caspase-9 antibody (Cat#AGI2385, 1:1,000). Nuclei were stained blue with DAPI; Caspase-9 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.