

KD-Validated Anti-Caspase 9 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1437

Product Information

Application	WB, FC, ICC
Primary Accession	P55211
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB1005
Calculated MW	46281
Gene Name	CASP9
Aliases	CASP9; Caspase 9; Apoptosis-Related Cysteine Peptidase; Regulatory Subunit 56; Apoptotic Protease Mch-6; PPP1R56; APAF-3; Apoptotic Protease Activating Factor 3; ICE-LAP6; caspase-9; MCH6; Protein Phosphatase 1; Regulatory Subunit 56; ICE-Like Apoptotic Protease 6; CASP-9; APAF3; EC 3.4.22.62; Caspase 9; Apoptosis-Related Cysteine Protease; Apoptotic Protease-Activating Factor 3; Protein Phosphatase 1
Immunogen	Recombinant protein of human Caspase-9

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

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: 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.

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