



Rabbit Anti-Human CASP9 Polyclonal Antibody (CABT-L2068)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Caspase 9 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against CASP9. It has been selected for its ability to recognize CASP9 in immunohistochemical staining and western blotting.
Target	CASP9
Immunogen	Recombinant fragment corresponding to human CASP9 (Met1~Gly134)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]
Keywords	APAF3;ICE-LAP6;MCH6;Apoptosis-Related Cysteine Peptidase;Cysteinyl Aspartate Specific Proteinases 9;Apoptotic protease-activating factor 3;ICE-like apoptotic protease 6

GENE INFORMATION

Gene Name	CASP9 caspase 9, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP9
Synonyms	CASP9; caspase 9, apoptosis-related cysteine peptidase; MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6; caspase-9; apoptotic protease MCH-6; ICE-like apoptotic protease 6; apoptotic protease activating factor 3; protein phosphatase 1, regulatory subunit 56;
Entrez Gene ID	842
Protein Refseq	NP_001220
UniProt ID	P55211
Chromosome Location	1p36.21
Pathway	AGE/RAGE pathway; AKT phosphorylates targets in the cytosol; Activation of caspases through apoptosome-mediated cleavage; Adaptive Immune System; Alzheimers disease; Alzheimers Disease; Amyotrophic lateral sclerosis (ALS); Apoptosis;
Function	SH3 domain binding; cysteine-type endopeptidase activity; enzyme activator activity; peptidase activity; protein binding; protein kinase binding;