



Anti-CASP9 (aa 299-318) polyclonal antibody (DPABY-163)

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

PRODUCT INFORMATION

Antigen Description	CASP9 (caspase 9, apoptosis-related cysteine peptidase) is a protein-coding gene. Diseases associated with CASP9 include thoracic cancer, and cerebral hypoxia, and among its related super-pathways are DR3 Signaling and Apoptosis and survival FAS signaling cascades. GO annotations related to this gene include peptidase activity and protein kinase binding. An important paralog of this gene is CASP16.
Specificity	Caspase-9 (also known as ICE-LAP6, McL6 and Apaf-3) plays a central role in programmed cell death. Following activation (induced by the binding of Apaf-1), caspase-9 cleaves and activates caspase-3. This antibody recognises the 46kD caspase-9 in Western blots.
Immunogen	Synthetic peptide corresponding to amino acids 299-318 of human caspase-9
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	Western Blot
Preparation	Antisera to human caspase-9 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Format	Purified IgG - liquid
Size	100 µg
Buffer	Phosphate buffered saline

Preservative	0.02% Sodium Azide
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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
Function	SH3 domain binding; cysteine-type endopeptidase activity; enzyme activator activity; peptidase activity; protein binding; protein kinase binding
References	1. Li, P. et al. (1997) Cytochrome c and dATP-dependent formation of Apaf-1/caspase-9 complex initiates an apoptosis protease cascade. <i>Cell</i> 91: 479-489. 2. Pan, G. et al. (1998) Caspase-9, Bcl-XL and Apaf-1 form a ternary complex. <i>J. Biol. Chem.</i> 273: 5841-5845.