



Rabbit Anti-CASP9 monoclonal antibody, clone TA30-12 (DCABH-2757)

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

PRODUCT INFORMATION

Target	Caspase-9
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	TA30-12
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP
Molecular Weight	46/35 kDa
Cellular Localization	Mitochondrion.
Positive Control	A549, Jurkat, Hela, HepG2, C2C12, mouse spleen tissue, human tonsil tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

A unique family of cysteine proteases has been described that differs in sequence, structure and substrate specificity from any previously described protease family. This family, Ced-3/caspase-1, is comprised of caspase-1, caspase-2, caspase-3, caspase-4, caspase-6, caspase-7 (also designated Mch3, ICE-LAP3 or CMH-1), caspase-9 and caspase-10. Ced-3/caspase-1 family members function as key components of the apoptotic machinery and act to destroy specific target proteins which are critical to cellular longevity. Poly(ADP-ribose) polymerase plays an integral role in surveying for DNA mutations and double strand breaks. Caspase-3, caspase-7 and caspase-9, but not caspase-1, have been shown to cleave the nuclear protein PARP into an apoptotic fragment. Caspase-6, but not caspase-3, has been shown to cleave the nuclear lamins, which are critical to maintaining the integrity of the nuclear envelope and cellular morphology. Caspase-10 has been shown to activate caspase-3 and caspase-7 in response to apoptotic stimuli.

Keywords

APAF-3;APAF3;Apoptosis related cysteine peptidase;Apoptotic protease Mch-6;Apoptotic protease-activating factor 3;CASP-9;CASP9;CASP9_HUMAN;Caspase 9 apoptosis related cysteine peptidase;Caspase 9 Dominant Negative;Caspase 9c;Caspase-9;Caspase-9 subunit p10;ICE LAP6;ICE like apoptotic protease 6;ICE-LAP6;ICE-like apoptotic protease 6;MCH6;PPP1R56;protein phosphatase 1, regulatory subunit 56;RNCASP9 antibody

GENE INFORMATION

Entrez Gene ID

[286887](#)
