

## Caspase-9 Rabbit mAb

Catalog No: #48687

Package Size: #48687-1 50ul #48687-2 100ul

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## Description

Product Name	Caspase-9 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SZ29-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	APAF-3 antibody APAF3 antibody Apoptosis related cysteine peptidase antibody Apoptotic protease Mch-6 antibody Apoptotic protease-activating factor 3 antibody CASP-9 antibody CASP9 antibody CASP9_HUMAN antibody Caspase 9 apoptosis related cysteine peptidase antibody Caspase 9 Dominant Negative antibody Caspase 9c antibody Caspase-9 antibody Caspase-9 subunit p10 antibody ICE LAP6 antibody ICE like apoptotic protease 6 antibody ICE-LAP6 antibody ICE-like apoptotic protease 6 antibody MCH6 antibody PPP1R56 antibody protein phosphatase 1, regulatory subunit 56 antibody RNCASP9 antibody
Accession No.	Swiss-Prot#:P55211
Uniprot	P55211
GeneID	842;
Calculated MW	46/35 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

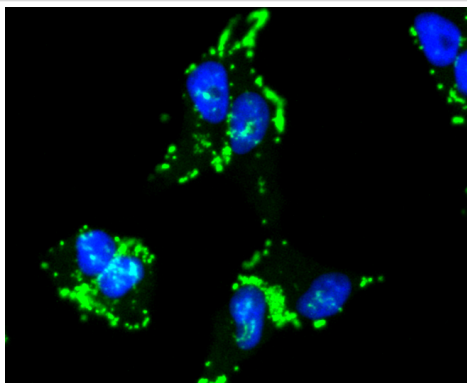
## Application Details

WB: 1:1,000-5,000

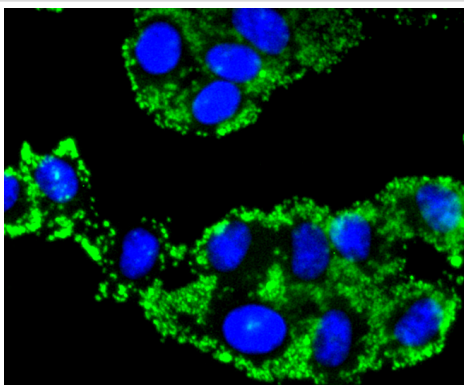
IHC: 1:50-1:200

ICC: 1:100-1:500

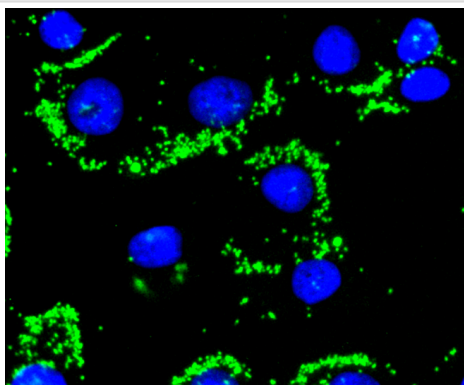
## Images



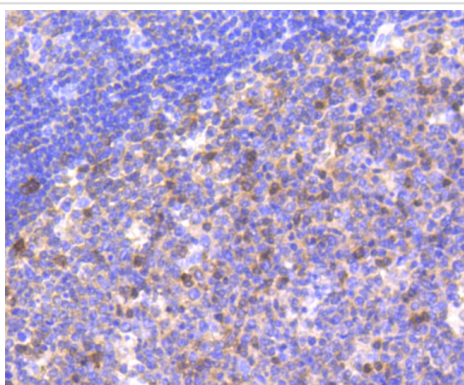
ICC staining Caspase-9 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



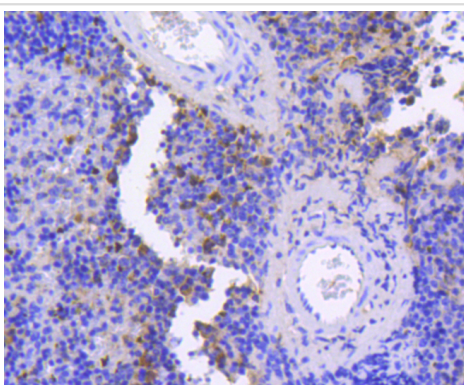
ICC staining Caspase-9 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



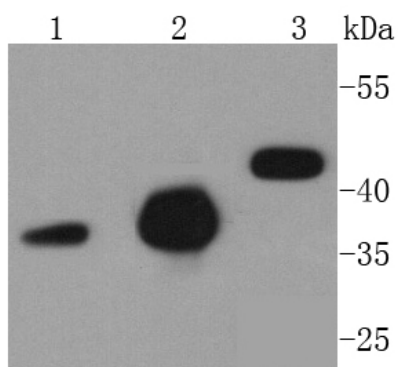
ICC staining Caspase-9 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Caspase-9 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-Caspase-9 antibody. Counter stained with hematoxylin.



Western blot analysis of Caspase-9 on different lysates using anti-Caspase-9 antibody at 1/1,000 dilution. Positive control:  
Lane 1: Jurkat      Lane 2: HeLa      Lane 3: C2C12

## Background

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.

## References

Note: This product is for in vitro research use only