

#T40046

# Caspase-9 mAb

- 50  $\mu$ l
- 100  $\mu$ l
- 200  $\mu$ l

## DESCRIPTION

Caspase-9 is an enzyme that in humans is encoded by the CASP9 gene. It is an initiator caspase, critical to the apoptotic pathway found in many tissues. Caspase-9 belongs to a family of caspases, cysteine-aspartic proteases involved in apoptosis and cytokine signalling. Regulation of Caspase-9 occurs through phosphorylation by an allosteric inhibitor, inhibiting dimerization and inducing a conformational change. Correct caspase-9 function is required for apoptosis, leading to the normal development of the central nervous system. Without correct function, abnormal tissue development can occur leading to abnormal function, diseases and premature death. Different protein isoforms of caspase-9 are produced due to alternative splicing.

## SOURCE

This Abmart monoclonal antibody is produced by immunizing animals with a polypeptide (Abmart SEAL mAb technology) corresponding to Caspase-9 protein.

## STORAGE

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze/thaw cycle.

## ALIASES

CASP-9, Apoptotic protease Mch-6, Apoptotic protease-activating factor 3, APAF-3, ICE-like apoptotic protease 6, ICE-LAP6, MCH6

## REACTIVITY

Human, Mouse

## ISOTYPE

Rabbit IgG

## PREDICTED MOLECULAR WEIGHT

46 kDa

## RECOMMEND ANTIBODY DILUTIONS

Western blotting	1:500-1:2000
IHC	1:50-1:200
ICC/IF	1:50-1:200
IP	1:50

**\*For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

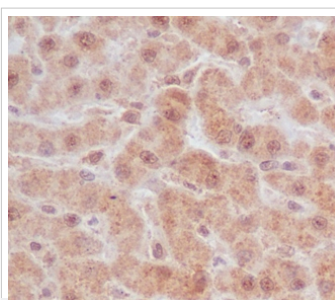
**Abmart**

**Orders** ■ 400-6123-828

orders@ab-mart.com

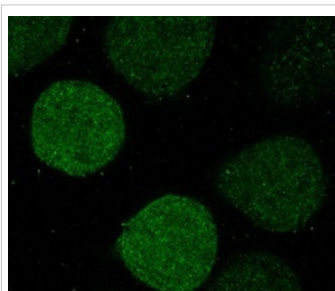
**Web** ■ www.ab-mart.com.cn

## APPLICATION DATA



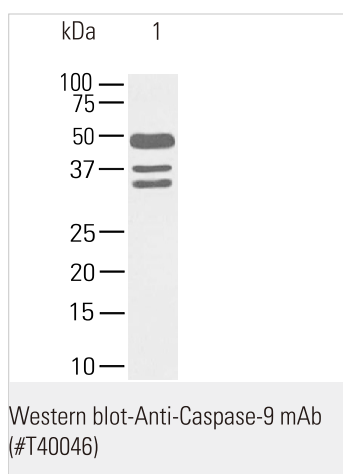
Immunohistochemistry-Anti-Caspase-9 mAb (#T40046)

Immunohistochemical analysis of paraffin-embedded human liver, using Caspase-9 mAb.



Immunofluorescence-Anti-Caspase-9 mAb (#T40046)

Immunofluorescent analysis of HeLa cells treated with staurosporine, using Caspase-9 mAb.



Western blot-Anti-Caspase-9 mAb (#T40046)

**All lanes :** Caspase-9 mAb

**Lane 1 :** HeLa cell lysate

## Secondary

Goat Anti-Rabbit IgG-HRP, 5% skim milk conjugated at 1/10000 dilution

**Predicted band size :** 46 kDa

**Observed band size :** 46 kDa

Blocking/Dilution buffer : 1× PBS.

**Applications Key:** WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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For *in vitro* research use only and not intended for use in humans or animals.