

**Caspase-9 (Active) Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10120****Specification**

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**Caspase-9 (Active) Antibody - Product Information**

Application	WB, IP
Primary Accession	<a href="#">Q8C3Q9</a>
Other Accession	<a href="#">BAA86895</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49979

**Caspase-9 (Active) Antibody - Additional Information****Gene ID 12371****Application & Usage**

**Western blotting (0.5-4 µg/ml) and immunoprecipitation (10-20 µg/ml). However, the optimal concentrations should be determined individually. The anti-active caspase-9 antibody recognizes only the cleaved caspase-9 (37 kDa). It does not recognize full-length caspase-9 or any other caspases.**

**Other Names**

CASP-9, EC 3.4.22.62, ICE-like apoptotic protease 6, ICE-LAP6, Apoptotic protease Mch-6, Apoptotic protease-activating factor 3, Apaf-3

**Target/Specificity**

Caspase-9 (Active)

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.2 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 0.5% BSA, and 0.02% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

## Background Descriptions

### Precautions

Caspase-9 (Active) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Caspase-9 (Active) Antibody - Protein Information

**Name** Casp9

**Synonyms** Mch6

### Function

Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates effector caspases caspase-3 (CASP3) or caspase-7 (CASP7). Promotes DNA damage- induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP).

## Caspase-9 (Active) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Caspase-9 (Active) Antibody - Images

## Caspase-9 (Active) Antibody - Background

Caspases are synthesized as inactive pro-enzymes that are processed to active form in cells undergoing apoptosis. Caspase-9 is an important member of the caspase family. Upon induction of apoptosis, Cytochrome c released from mitochondria associates with pro-caspase-9 (47 kDa) and Apaf-1. The complex processes pro-caspase-9 into a large subunit (37 kDa/17 kDa) and a small subunit (10 kDa). Cleaved caspase-9 further processes other caspases including caspase-3 and caspase-6, to initiate a caspase cascade leading to apoptosis. The affinity purified antibody recognizing the active forms of caspase-9 provides a new tool for identifying apoptotic cell populations in both tissue sections and cultured cells.