

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

Application	WB, IP
Primary Accession	Q8C3O9
Other Accession	BAA86895
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.
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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)

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.

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 caspase-3. Promotes DNA damage-induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP) (By similarity).

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](#)