

**Caspase-9 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11221****Specification**

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**Caspase-9 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P55211</a>
Other Accession	<a href="#">RP11-265F14.3</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46281

**Caspase-9 Antibody - Additional Information****Gene ID** 842

Positive Control  
Application & Usage

**Western Blot: Recombinant protein Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects proform (~46 kDa), intermediate (~33-36 kDa), and the fully cleaved (~20-25 kDa) caspase-9.**

**Other Names**

Apoptotic protease Mch-6, Apoptotic protease-activating factor 3, ICE-like apoptotic protease 6

**Target/Specificity**

Caspase-9

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) of antibody in PBS pH 7.2 containing 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions**

**Precautions**

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

**Caspase-9 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).

**Tissue Location**

Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

**Caspase-9 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 Antibody - Images****Caspase-9 Antibody - Background**

Caspase-9 is one of the most important caspases among the caspase family members. Caspase-9 is synthesized as inactive pro-enzyme that is processed in cells undergoing apoptosis. The processed caspase-9 consists of large (32-35 kD) and small (10 kD) subunits which associate to form an active enzyme. Activated caspase-9 in turn cleaves and activates caspase-3, one of the proteases responsible for the proteolytic cleavage of many key proteins in apoptosis.