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Caspase-9 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10297

Specification

Caspase-9 Antibody - Product Information

Application	**WB**
Primary Accession	Q8C3Q9
Other Accession	BAA86895
Reactivity	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**49979**

Caspase-9 Antibody - Additional Information

Gene ID 12371

Application & Usage	**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
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

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.2 mg/ml) protein A purified rabbit anti-caspase-9 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

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).

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 Cytomety
- 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.