

## CASP9

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF IP FC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:10 - 1:100 IF 1:10 - 1:100 IP 1:20 - 1:50

FC 1:20 - 1:50

**Calculated MW:**46kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human CASP9

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6;

**Catalog #:**A7523

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**842

**Isotype:**IgG

**Swiss Prot:**P55211

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.

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