

## CASP9

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:100

**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:**

bi

**Synonym:**

CASP9; APAF-3; APAF3; CASPASE-9c; ICE-LAP6; MCH6 ; caspase9

**Catalog #:**A0281

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**842

**Isotype:**IgG

**Swiss Prot:**P55211

**Purity:**Affinity purification

For research use only.

**Background:**

Caspase-9 (ICE-LAP6, Mch6) is an important member of the cysteine aspartic acid protease (caspase) family (1,2). Upon apoptotic stimulation, cytochrome c released from mitochondria associates with the 47 kDa procaspase-9/Apaf 1. Apaf-1 mediated activation of caspase-9 involves intrinsic proteolytic processing resulting in cleavage at Asp315 and producing a p35 subunit. Another cleavage occurs at Asp330 producing a p37 subunit that can serve to amplify the apoptotic response (3-6). Cleaved caspase-9 further processes other caspase members, including caspase-3 and caspase-7, to initiate a caspase cascade, which leads to apoptosis (7-10).

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