

## CASP10

**Reactivity:**Human

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**59kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human CASP10

**Storage Buffer:**

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

**Concentration:**

b

**Synonym:**

CASP10;MCH4; Caspase 10; FLICE2; CASP 10; ICE like apoptotic protease 4

**Catalog #:**A0216

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**843

**Isotype:**IgG

**Swiss Prot:**Q92851

**Purity:**Affinity purification

For research use only.

**Background:**

Caspase-10 is a DED (death effector domain)-containing caspase and functions as an initiator caspase in Fas/TNF induced apoptosis (1). Four isoforms of caspase-10 have been identified: caspase-10a (Mch4), caspase-10b (FLICE2), caspase-10c and caspase-10d. They have the same prodomain but different mature large and small subdomains (2-4). Upon death ligand-receptor binding, caspase-10 is coupled to the multimeric Fas/TNF receptor complex via DED/FADD adaptor interaction (1-4). This complex processes procaspase-10 into a large active fragment and a small fragment. Cleaved caspase-10 further processes other caspase members, including caspase-3 and caspase-7, to initiate a caspase cascade, leading to apoptosis (3-6).

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