

## Caspase3

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IF

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

**Calculated MW:**32kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human Caspase3

**Storage Buffer:**

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

**Synonym:**

CASP3;CPP32;CPP32B;SCA-1;Caspase-3;APOPAIN;

**Catalog #:**A11560

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**836

**Isotype:**IgG

**Swiss Prot:**P42574

**Purity:**Affinity purification

For research use only.

**Background:**

Caspase-3 (CPP-32, Apoptain, Yama, SCA-1) is a critical executioner of apoptosis, as it is either partially or totally responsible for the proteolytic cleavage of many key proteins such as the nuclear enzyme poly(ADP-ribose) polymerase (PARP) (1). Activation of caspase-3 requires proteolytic processing of its inactive zymogen into activated p17 and p12 fragments. Cleavage of caspase-3 requires aspartic acid at the P1 position (2).

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