

## CASP7

**Reactivity:** Human Mouse Rat

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

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:100 IF 1:50 - 1:200  
IP 1:50 - 1:100

**Calculated MW:** 34kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human CASP7

**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:**

CMH-1; ICE-LAP3; MCH3; CASP7; Caspase-7;

**Catalog #:** A1524

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 840

**Isotype:** IgG

**Swiss Prot:** P55210

**Purity:** Affinity purification

For research use only.

**Background:**

Caspase-7 (CMH-1, Mch3, ICE-LAP3) has been identified as a major contributor to the execution of apoptosis (1-4). Caspase-7, like caspase-3, is an effector caspase that is responsible for cleaving downstream substrates such as (ADP-ribose) polymerase and PARP (1,3). During apoptosis, caspase-7 is activated through proteolytic processing by upstream caspases at Asp23, Asp198, and Asp206 to produce the mature subunits (1,3). Similar to caspases-2 and -3, caspase-7 preferentially cleaves substrates following the recognition sequence DEVD (5).

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