
anti-caspase-7

Cat #: HM1063
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Caspases are cysteine proteases which play important roles in the activation of cytokines and in apoptosis. Caspase-7 (also known as CE-LAP3 for IL-1 converting enzyme-like apoptotic protease 3, MCH3, and CMH-1) is a member of the CED-3 subfamily of caspases. It has the highest similarity to caspase-3 (52% amino acid identity) between all caspase members. Caspase-3, -6 and -7 are effector caspases that directly cause apoptotic morphological changes by cleaving various death substrates. The human caspase-7 is a 35-kDa protein that is cleaved into p20 and p10 active subunits. Caspase-7 is a cytoplasmic protein expressed in fetal and adult tissues including lung, skeletal muscle, liver, kidney, spleen and heart, as well as various cell lines, such as Jurkat cells.

SPECIFICITY

This antibody recognizes the p10 subunit and precursor of caspase-7 of mouse, rat and human origin. It cross-reacts with caspase-3

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

Recombinant protein corresponding to the full-length of human caspase-7.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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