



Caspase-9. Rabbit Polyclonal Antibody, Human

Apaf-3; MCH-6; ICE-LAP6

BACKGROUND

Caspase-9 exists as a pro-form (mw ~46 kDa) that is cleaved by the activity of Apaf-1 in the presence of cytosolic cytochrome c (Apaf-2) and dATP. The processing of pro-caspase-9 into a heterodimer consisting of a 35kDa and a 10 kDa chain activates the protease and induces the cascade leading to cleavage of caspase-3 and other apoptotic targets. The processing of caspase-9 may be blocked by the activity of bcl-x which physically interacts with the caspase-/Apaf-1 complex.

ORDERING INFORMATION

CATALOG NUMBER

A140P

SIZE

100 µg

FORM

Purified

HOST/CLONE

Rabbit

FORMULATION

Provided as 0.2 µm sterile filtered solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

1 mg/ml

ISOTYPE

IgG

APPLICATIONS

Western Blotting

IMMUNOGEN

Synthetic peptide corresponding to amino acids 301-313 of human caspase-9

SPECIES REACTIVITY

Human

COMMENTS

Detects caspase-9 by Western blotting at 2-10 µg/ml.

STORAGE CUSTOMER

Antibodies should be stored at -20 degrees C. Aliquot to avoid freeze/thaw cycles

STABILITY

Antibodies are stable for one year from purchase if stored frozen

POSITIVE CONTROL

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

REFERENCES

1. Duan H, et al., "ICE-LAP6, a novel member of the ICE/Ced-3 gene family, is activated by the cytotoxic T cell protease granzyme B." J. Biol. Chem. 1996, 271, 16720-16724
2. Srinivasula SM, et al., "The Ced-3/interleukin 1beta converting enzyme-like homolog Mch6 and the lamin-cleaving enzyme Mch2alpha are substrates for the apoptotic mediator CPP32." J. Biol. Chem. 1996, 271, 27099-27106
3. Li P, et al., "Cytochrome c and dATP-dependent formation of Apaf-1/caspase-9 complex initiates an apoptotic protease cascade." Cell 1997, 91, 479-489
4. Pan G, et al., "Caspase-9, Bcl-XL, and Apaf-1 form a ternary complex." J. Biol. Chem. 1998, 273, 5841-5845

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