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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Caspase-9. Rabbit Polyclonal Antibody

Cysteine-requiring Aspartate Protease-9; iCE-like apoptotic protease 6; Apoptotic protease Mch-6; Apoptotic protease-activating factor 3

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

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Western Blot

SPECIES REACTIVITY

Human

ACCESSION NUMBER

P55211, Human

IMMUNOGEN

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

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Detects caspase-9 by Western blotting at 2-10 µg/ml. Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

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