



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Caspase-9 (IN2). Rabbit Polyclonal Antibody

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

### BACKGROUND

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. A novel member in the caspase family was recently identified and designated ICE-LAP6, Mch6, and Apaf-3 (1-3). Caspase-9 and Apaf-1 bind to each other, which leads to caspase-9 activation (3). Caspase-9 is also activated by granzyme B and CPP32 (1,2). Activated caspase-9 cleaves and activates caspase-3 that is one of the key proteases, being responsible for the proteolytic cleavage of many key proteins in apoptosis (3). Caspase-9 play a central role in cell death induced by a wide variety of apoptosis activators including TNF $\alpha$ , TRAIL, anti-CD-95, FADD, and TRADD (4). Caspase-9 is expressed in a variety of human tissues (1,2).

### ORDERING INFORMATION

**CATALOG NUMBER**

X1112P

**SIZE**

100  $\mu$ g

**FORM**

Unconjugated

**HOST/CLONE**

Rabbit

**FORMULATION**

Provided in phosphate buffered saline solution containing 0.02% sodium azide as a preservative

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot

**SPECIES REACTIVITY**

Human

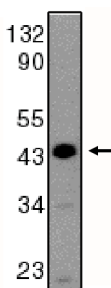
**ACCESSION NUMBER**

Human P55211

### IMMUNOGEN

Synthetic peptide corresponding to amino acids 299 to 318 of human caspase-9

Western blot analysis using anti-caspase-9 (IN2) at 0.5 mg/ml on HeLa whole cell lysate.



**POSITIVE CONTROL/TISSUE EXPRESSION**

Whole HeLa cell lysates

**COMMENTS**

Detects caspase-9 by Western blot at 0.25 to 0.5  $\mu\text{g}/\text{ml}$ . Whole cell lysate from HeLa cells can be used as positive control and a 46 kDa band should be detected. It has no cross response to other members in caspase family. Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Antigen Immunoaffinity Purification

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at  $-20^{\circ}\text{C}$ . 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

**PRODUCT SPECIFIC REFERENCES**