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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Caspase-9 (IN1). 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 α , TRAIL, anti-CD-95, FADD, and TRADD (4). Caspase-9 is expressed in a variety of human tissues (1,2).

ORDERING INFORMATION

CATALOG NUMBER

X1111P

SIZE

100 μ 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

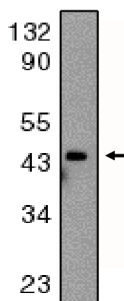
ACCESSION NUMBER

Human P55211

IMMUNOGEN

Synthetic peptide corresponding to amino acids 41 to 56 of human caspase-9

Western blot analysis using Caspase-9 (IN1) antibody at 0.5 μ g/ml on K562 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°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