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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Caspase-10 (CT) (flICE2). Rabbit Polyclonal Antibody
FLICE2

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 (DD)- containing adapter molecules and members of the ICE/CED-3 protease family. A novel ICE/CED-3 protease was identified recently, designated FLICE2 and Mch4(1,2) and renamed as caspase-10. Caspase-10 has two death effector domains (DEDs) that bind to the DED in the adapter molecule FADD and recruits both TNFR1 and CD95 to form complexes with these receptors. Caspase-10 is therefore involved in the CD95 and TNFR1 induced apoptosis(1) . Caspase-10 cleaves and activates caspase-3, -4, -6, -7, -8 and -9, which causes the proteolytic cleavage of many key proteins such as PARP. Cleavage of PARP occurs in many different systems during apoptosis and is the hallmark of programmed cell death (3). Caspase-10 is expressed in many tissues and cell lines(1,2).

ORDERING INFORMATION

CATALOG NUMBER
X1113P

SIZE

100 µg

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, Mouse, Rat

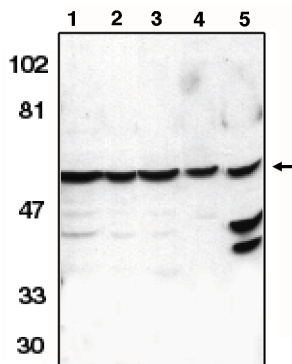
ACCESSION NUMBER

Human Q92851

IMMUNOGEN

Synthetic peptide corresponding to amino acids 505-521 of human FLICE2

Western blot analysis using anti-Caspase-10 (CT) antibody at 0.5 µg/ml on HeLa (1), Jurkat (2), A431 (3), K562 (4) and NIH3T3 (5) whole cell lysates.



POSITIVE CONTROL/TISSUE EXPRESSION

HeLa whole cell lysates

COMMENTS

Detects caspase-10 at 0.5 to 1 $\mu\text{g/ml}$. Detects a 59 kDa band in HeLa whole cell lysates. Only recognizes the FLICE2 form of caspase-10. 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. Vincenz, C. and Dixit, V.M. Fas-associated death domain protein interleukin-1beta-converting enzyme 2 (FLICE2), an ICE/Ced-3 homologue, is proximally involved in CD95- and p55-mediated death signaling. *J. Biol. Chem.* 1997;272:6578-6583
2. Fernandes-Alnemri, T., et al., In vitro activation of CPP32 and Mch3 by Mch4, a novel human apoptotic cysteine protease containing two FADD-like domains. *Proc. Natl. Acad. Sci. USA.* 1996, 93, 7464-7469
3. Cohen, G.M., Caspases: the executioners of apoptosis. *Biochem. J.* 1997, 326, 1-16

PRODUCT SPECIFIC REFERENCES