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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

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Caspase-8 . Mouse Monoclonal Antibody

Cysteine-requiring Aspartate Protease-8; Apoptotic protease Mch-5; ICE-like apoptotic protease 5; FADD-like ICE

BACKGROUND

Caspases are key effectors of programmed cell death. They are synthesized as inactive proenzymes which are activated by cleavage at a specific aspartate residue to form two subunits. These subunits are normally linked together by a linker which may be involved in the regulation of the different caspases. Caspase-8 is a key enzyme in the apoptosis pathway. Caspase-8 contains two N-terminal region death effector domains which are removed to activate the enzyme along with cleavage into the two subunits. These subunits then for the active protease which is capable of cleaving caspase-3, -6 and -7. These caspases are then capable of cleaving other cellular substrates such as PARP and DFF, which in turn induce apoptosis.

ORDERING INFORMATION

CATALOG NUMBER

X1175M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone FLICE 1 1-37

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

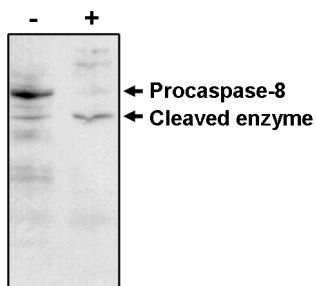
ACCESSION NUMBER

Human Q14790

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with recombinant human caspase-8 protein and mouse myeloma cells.

Western blot analysis using caspase-8 antibody on MCF-7 cells negative (-) and positive (+) for caspase-3 after treatment for 48 hours with thapsigargin. Antibody detects procaspase and one cleavage product.



POSITIVE CONTROL/TISSUE EXPRESSION

MCF-7 cell lysates

COMMENTS

Detects proenzyme form of human Caspase-8 by Western blot analysis as well as one of the cleavage products. Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Protein A/G Chromatography

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. Cohen, G.M., et al. Caspases: the executioners of apoptosis. *Biochem. J.* 1997, 326, 1-16
2. Martin, D.A., et al. Membrane oligomerization and cleavage activates the caspase-8 (FLICE/MACHalpha1) death signal. *J. Biol. Chem.* 1998, 273, 4345-4349
3. Green, D.R., Apoptotic pathways: the roads to ruin. *Cell* 1998, 94, 695-698
4. Hu, S., et al. I-FLICE, a novel inhibitor of tumor necrosis factor receptor-1- and CD-95-induced apoptosis. *J. Biol. Chem.* 1997, 272, 17255-17257

PRODUCT SPECIFIC REFERENCES