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


**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

# Caspase-9 . Mouse Monoclonal Antibody

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

## 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-9 is a member of the CED -3 family and bear high similarity to caspase-3. Procaspase-9 can be activated by either caspase-3 or granzyme B, although they cleave the proenzyme to different size subunits. Cleavage by granzyme B produces an active enzyme which is capable of cleaving PARP. Also, the ability of caspase-3 to activate caspase-9 seems to suggest that caspase-9 is further downstream of caspase-3 and may be involved in later changes in cells observed undergoing apoptosis.

## Ordering Information

**Catalog Number**
X1177M

**Size**
100 µg

**Form**
Unconjugated

**Host/Clone**
Mouse Clone LAAP6 96 2-22

**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

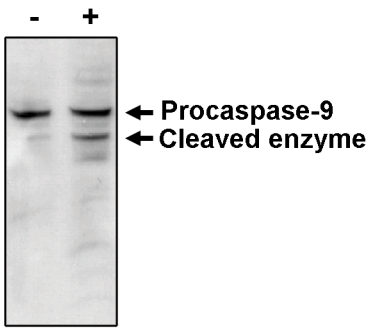
**Accession Number**

| | |
|---|---|
| Human | P55211 |

## Immunogen

Hybridoma produced by the fusion of splenocytes from mice immunized with recombinant human capase-9 protein and mouse myeloma cells.

Western blot analysis using Caspase-9 antibody on MCF-7 cells negative (-) and positive (+) for caspase-3 and showing the proenzyme form of caspase-9 and one of the cleavage products after treatment with thapsigargin for 48 hours.






**For research use only. Not for use in human diagnostics or therapeutics.**

Exalpha Biologicals, Inc. 2 Shaker Road, Bldg. B101 Shirley, MA 01464
Tel: 800.395.1137 Fax: 866.924.5100 www.exalpha.com info@exalpha.com

**Positive Control/Tissue Expression**

MCF-7 cell lines

**Comments**

Detects proenzyme form of human Caspase-9 by Western blot analysis as well as one of the cleavage products after treatment with thapsigargin. 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 -20ºC. 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. Stennicke, H.R., et al. Caspase-9 can be activated without proteolytic processing. J. Biol. Chem. 1999, 274, 8359 -8362

3. Kuida, K. Caspase-9. Int. J. Biochem. Cell Biol. 2000, 32, 121-124

**Product Specific References**



Exalpha Biologicals, Inc. 2 Shaker Road, Bldg. B101 Shirley, MA 01464
Tel: 800.395.1137 Fax: 866.924.5100 www.exalpha.com info@exalpha.com