

Datasheet for ABIN306833
anti-Caspase 7 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	Caspase 7 (CASP7)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Caspase 7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from mice immunized with recombinant human caspase-7 protein and mouse myeloma cells.
Clone:	MCH3-5
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Cysteine-requiring Aspartate Protease-7, Apoptotic protease Mch-3, ICE-like apoptotic protease 3, Caspases are key effectors of programmed cell death. Caspase-7 along with caspase 3 and 6 form the group of effector caspases that are responsible for the cleavage of multiple substrates including the cytokeratins, PARP, alpha fodrin, NuMA and others. Caspase-7 is a 303 amino acid protein with high similarity to caspase-3. Caspase-7 occurs in three variant forms. Granzyme B activates pro-caspase-7 to a form which can cleave poly(ADP-ribose) polymerase (PARP) to its signature fragment of ~85 kDa. Also, in vivo caspase-7 appears to be a better

Product Details

substrate for granzyme B than caspase-3. Pro-caspase-7 has been shown to exist as dimers or high order oligomers. Caspase-7 may be an important intracellular effector of granzyme B-mediated apoptosis and cytotoxic T-lymphocyte-induced cell killing in vivo.

Purification: Ammonium Sulfate Precipitation

Target Details

Target: Caspase 7 (CASP7)

Alternative Name: Caspase-7 ([CASP7 Products](#))

UniProt: [P55210](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: Detects proenzyme form of human Caspase-7 by Western blot. Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

Handling

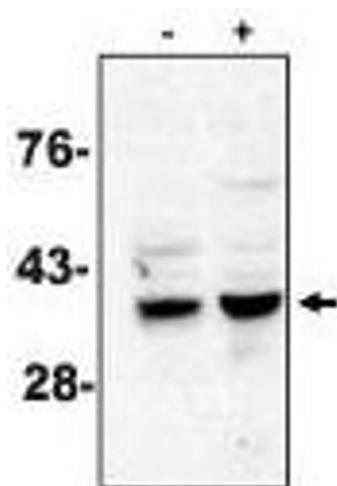
Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles



Western Blotting

Image 1. Western blot analysis using caspase-7 antibody on MCF-7 cells treated with thapsigargin for 48 hours which are negative (-) and positive (+) for caspase-3.