

Datasheet for ABIN306793
anti-Caspase 6 antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	Caspase 6 (CASP6)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Caspase 6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from mice immunized with recombinant human capase-6 protein and mouse myeloma cells.
Clone:	MCH2 14 1-190
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Cysteine-requiring Aspartate Protease-6, Apoptotic protease Mch-2, Caspase-6 (Cysteine-Requiring Aspartate Proteases) is part of a family of intracellular cysteine proteases that cleave their substrates after aspartic acid residues. These proteases play an integral role in inducing apoptosis in cells. Procaspase-6 (Mch2), a member of the ICE/ced-3 subfamily, is an inactive proenzyme that is activated to form caspase-6 by proteolytic cleavage at certain aspartic acid residues. During cleavage, the N-terminal is removed and the proenzyme is converted into a large (p18) and small (p11) subunits. Caspase-6 has two isoforms, and , produced by

Product Details

alternative splicing. Over-expression of the isoform of caspase-6 without its prodomain can induce apoptosis. The isoform does not seem to display proteolytic activity. Together with caspases-3 and -7, the isoform of caspase-6 is classified as an effector/execution caspase. Caspase-3, caspase-8 and caspase-10 can cleave procaspase-6. Active caspase-6 cleaves several other proteins such as lamins, NuMa and Keratin 18. A possible cleavage of caspases-8 and -10 in cytochrome-C dependent apoptosis was reported recently.

Purification: Protein A/G Chromatography

Target Details

Target: Caspase 6 (CASP6)

Alternative Name: Caspase-6 ([CASP6 Products](#))

UniProt: [P55212](#)

Pathways: [Apoptosis, Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: Detects proenzyme form of human Caspase-6 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-6 antibody on MCF-7 cells negative (-) and positive (+) for caspase-3 after treatment for 48 hours with thapsigargin.