

Datasheet for ABIN264405
anti-Caspase 6 antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	0.1 mg
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 recombinanthuman capase-6 protein and mouse myeloma cells. Genename: CASP6
Clone:	MCH2 14 1-190
Isotype:	IgG1
Specificity:	Detects proenzyme form of human Caspase-6 by Western blot.
Characteristics:	Synonyms: CASP-6, CASP6, MCH2, MCH-2, Apoptotic protease Mch-2
Purification:	Purified

Target Details

Target:	Caspase 6 (CASP6)
Alternative Name:	Caspase-6 (CASP6 Products)

Target Details

Background: 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 produced by 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. Synonyms: Apoptotic protease Mch-2, CASP-6, CASP6, MCH-2, MCH2

Gene ID: 839

UniProt: [P55212](#)

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

Application Details

Application Notes: Western Blot. Positive Control: MCF-7 cell lysate.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.08 % Sodium Azide as preservative.

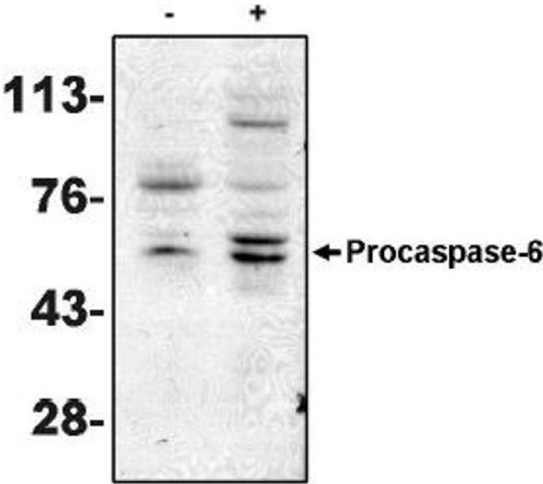
Preservative: Sodium azide

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: Store the antibody at -20 °C. Avoid repeated freezing and thawing.
Shelf life: One year from despatch

Expiry Date: 12 months



Western Blotting

Image 1.