

## Datasheet for ABIN306793

# anti-Caspase 6 antibody





#### 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

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

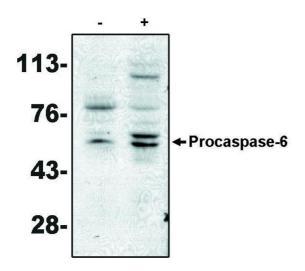
Target:	Caspase 6 (CASP6)
Alternative Name:	Caspase-6 (CASP6 Products)
UniProt:	P55212
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

## **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.