

## Caspase-7 Antibody

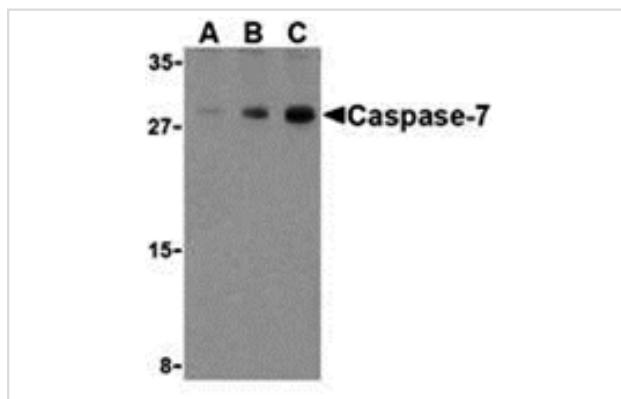
Catalog No: #24292

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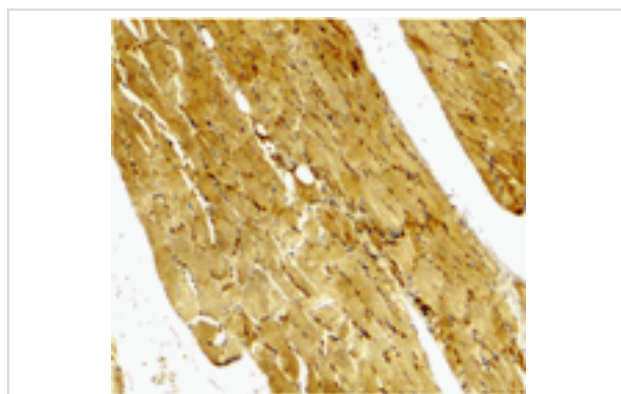
## Description

Product Name	Caspase-7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	Depending on cell lines or tissues used, other cleavage products may be observed.
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human Caspase-7.
Target Name	Caspase-7
Other Names	ICELAP3, Mch3
Accession No.	P55210
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Images



Western blot analysis of Caspase-7 in human skeletal muscle cell lysate with Caspase-7 antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



Immunohistochemical staining of human skeletal muscle using Caspase-7 antibody at 2 ug/mL.

## Background

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Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. The apoptotic subfamily can be further divided into initiator caspases, which are activated in response to death signals, and executioner caspases, which are activated by the initiator caspases and are responsible for cleavage of cellular substrates that ultimately lead to cell death. Caspase-7 is an executioner caspase that was identified based on its homology with caspases 1 and 3, as well as the *C. elegans* cell death protein CED-3. Alternative splicing of Caspase-7 mRNA results in the production of 3 distinct isoforms. Caspase-7 activity can be directly inhibited by XIAP expression.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.