Datasheet for ABIN783821

anti-Caspase 7 antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	Caspase 7 (CASP7)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	16 amino acid peptide from near the carboxy-terminus of human Caspase-7
Specificity:	This antibody detects Caspase-7 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	Caspase 7 (CASP7)
Alternative Name:	Caspase-7 (CASP7 Products)
Background:	Caspases are a family of cysteine proteases that can be divided into the apoptotic and

Target Details

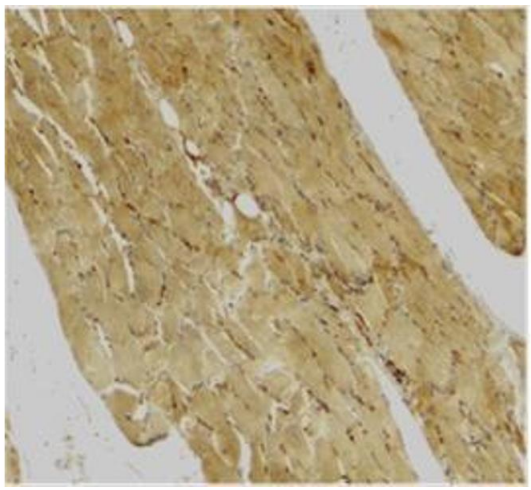
	inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens (reviewed in 1 and 2). The apoptotic subfamily can be further divided into initiator caspases, 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 (reviewed in 3). 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 (4). Alternative splicing of Caspase-7 mRNA results in the production of 3 distinct isoforms (4). Caspase-7 activity can be directly inhibited by XIAP expression (5).Synonyms: Apoptotic protease Mch-3, CASP-7, CASP7, CMH-1, ICE-like apoptotic protease 3, MCH3
Gene ID:	840
NCBI Accession:	NP_001218
UniProt:	P55210
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

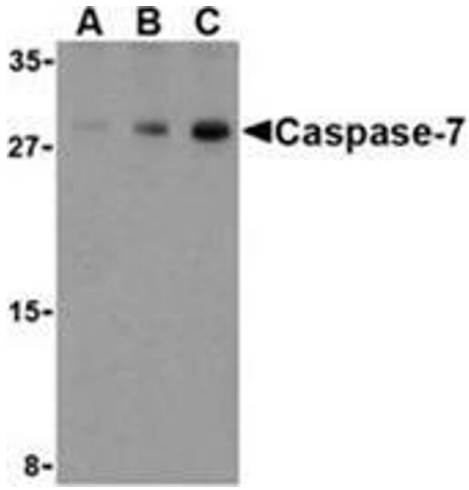
Handling

Buffer:	PBS containing 0.02 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of human skeletal muscle using Caspase-7 antibody at 2 µg/ml.



Western Blotting

Image 2. 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 µg/ml.