Datasheet for ABIN499569

anti-Caspase 6 antibody (Intermediate Domain)

2 Images

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Overview

Quantity:	0.1 mg
Target:	Caspase 6 (CASP6)
Binding Specificity:	Intermediate Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human Casp-6 / Mch2 (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	Caspase-6 antibody was raised against a 15 amino acid peptide from near the center of human Caspase-6.
Purification:	Immunoaffinity

Target Details

Target:	Caspase 6 (CASP6)
Alternative Name:	Caspase-6 (CASP6 Products)
Background:	Caspases are a family of cysteine proteases that can be divided into the apoptotic and

Target Details

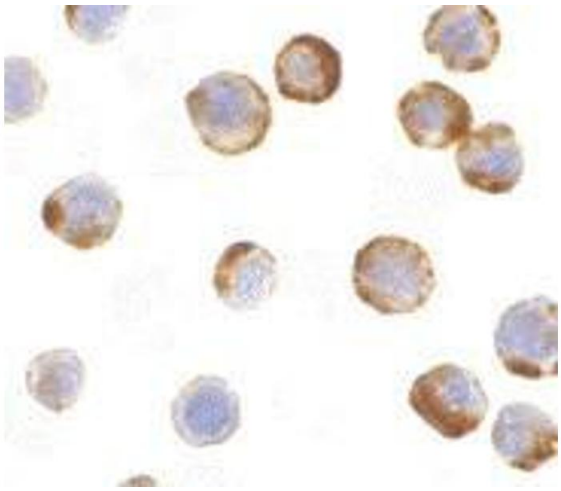
	inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens (reviewed in 1 and 2). The apoptotic subfamily can be further divided into initiator caspases, 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-6 is an executioner caspase that was identified based on its homology with human caspases 2 and 3 as well as the C. elegans cell death protein CED-3 (4). It possesses two isoforms, of which only the longer form possesses protease activity (4). Caspase-6 is highly expressed in adult brain and may play a role in several neuronal pathologies (5).Synonyms: Apoptotic protease Mch-2, CASP-6, CASP6, MCH-2, MCH2
Gene ID:	839
NCBI Accession:	NP_001217
UniProt:	P55212
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	ELISA. Western Blot: Casp-6 antibody can be used for the detection of Caspase-6 at 1 µg/mL. MCF7cell lysate can be used as positive control. Depending on cell lines or tissues used, eitherfull-length or other cleavage products may be observed. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

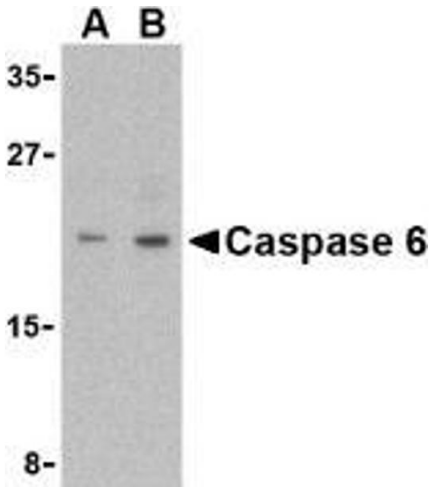
Handling

Buffer:	PBS containing 0.02 % 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.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunofluorescence

Image 1. Immunocytochemistry of caspase-6 in MCF7 with AP30201PU-N caspase-6 antibody at 1 µg/ml.



Western Blotting

Image 2. Western blot analysis of Caspase-6 in MCF7 cell lysate with AP30201PU-N Caspase-6 antibody (IN) at (A) 1 and (B) 2 µg/ml.