

Datasheet for ABIN6990518
anti-Caspase 1 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	Caspase 1 (CASP1)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Caspase-1 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human Caspase-1. The immunogen is located within the last 50 amino acids of Caspase-1.
Isotype:	IgG
Specificity:	Depending on cell lines or tissues used, other cleavage products may be observed.
Purification:	Caspase-1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Caspase 1 (CASP1)
Alternative Name:	Caspase-1 (CASP1 Products)

Target Details

Background:	Caspase-1 Antibody: 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. Members of this subfamily include caspase-1, -4, -5, and -12 and can activate proinflammatory cytokines such as IL-1 β , and IL-18. Caspase-1 was initially identified as an IL-1 β -converting enzyme, later experiments revealed it to be a mammalian homolog of the <i>C. elegans</i> cell death gene <i>ced-3</i> whose overexpression can induce apoptosis in fibroblasts.
Gene ID:	834
NCBI Accession:	NP_150634
UniProt:	P29466
Pathways:	Apoptosis , Interferon-gamma Pathway , Positive Regulation of Endopeptidase Activity , Inflammasome

Application Details

Application Notes:	Casp-1 antibody can be used for the detection of Caspase-1 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2 μ g/mL. For immunofluorescence start at 10 μ g/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Caspase-1 Antibody is supplied in 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:	-20 °C, 4 °C

Handling

Storage Comment: Caspase-1 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.