

Datasheet for ABIN499543

anti-Caspase 1 antibody (Intermediate Domain)**2** Images[Go to Product page](#)

Overview

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

Product Details

Immunogen:	Human Casp-1 / ICE / IL-1b converting enzyme (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	Caspase-1 antibody was raised against a 15 amino acid peptide from near the middle of human Caspase-1.
Purification:	Affinity chromatography purified via peptide column

Target Details

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

Target Details

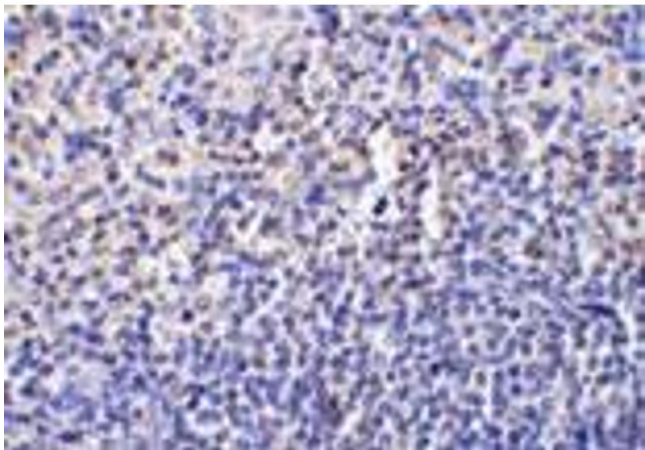
Background:	Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens (reviewed in 1 and 2). Members of this subfamily include caspase-1, -4, -5, and -12 and can activate proinflammatory cytokines such as IL-1beta and IL-18 (3,4). Caspase-1 was initially identified as an IL-1beta-converting enzyme (5), later experiments revealed it to be a mammalian homolog of the C. elegans cell death gene ced-3 (6) whose overexpression can induce apoptosis in fibroblasts (7).Synonyms: CASP-1, CASP1, ICE, IL1BC, IL1BCE, Interleukin-1 beta convertase, Interleukin-1 beta-converting enzyme, p45
Gene ID:	834
NCBI Accession:	NP_150634
UniProt:	P29466
Pathways:	Apoptosis , Interferon-gamma Pathway , Positive Regulation of Endopeptidase Activity , Inflammasome

Application Details

Application Notes:	ELISA. Western Blot: Casp-1 antibody can be used for the detection of Caspase-1 at 0.5 µg/mL. Depending on cell lines or tissues used, other cleavage products may be observed. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

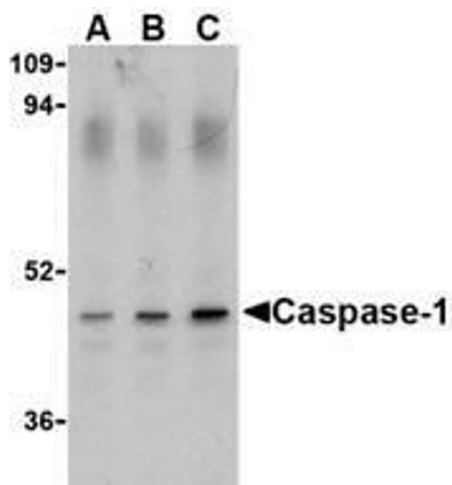
Handling

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.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of caspase-1 in human spleen tissue with caspase-1 antibody at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of Caspase-1 in HeLa cell lysate with AP30188PU-N Caspase-1 antibody (IN) at (A) 0.5, (B) 1, and (C) 2 µg/ml.