# Rabbit CASPASE-1 Polyclonal Antibody | anti-CASP1 antibody

RABBIT ANTI HUMAN CASPASE-1 (C-TERMINAL)

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA49982** | **Rabbit** | **Western Blot, Immunohistochemistry** |

## PRODUCT SYNONYMS

CASPASE-1; Polyclonal Antibody; RABBIT ANTI HUMAN CASPASE-1 (C-TERMINAL); anti-CASP1 antibody

## PRODUCT SPECIFICATIONS

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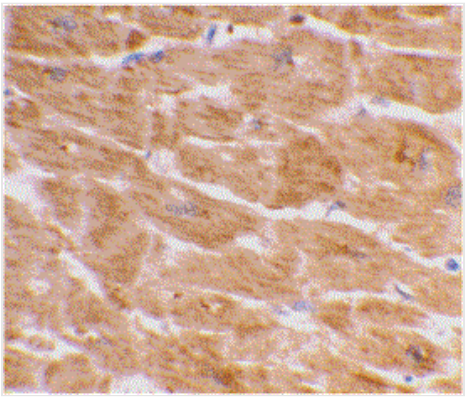
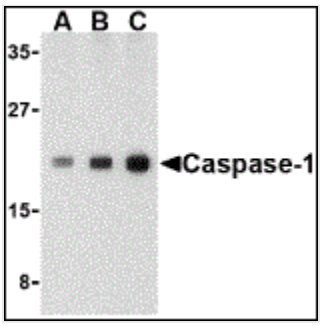
|---|---|
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Form/Format** | Purified<br>Purified IgG - liquid |
| **Concentration** | IgG concentration 1.0 mg/ml (varies by lot) |
| **Sequence Length** | 383 |
| **Applicable Applications for anti-CASP1 antibody** | WB (Western Blot), IHC (Immunohistochemistry) |
| **Perservative Stabilisers** | 0.02% Sodium Azide<br>Preparation |
| **Histology Positive Control Tissue** | Human heart.<br>Buffer Solution |
| **Target Species** | Human |
| **Preparation and Storage** | Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 18 months from date of despatch. |

## IMAGES



**Application Data**
Immunohistochemical staining of human heart with Rabbit anti Human caspase-1 (AAA49982




**Application Data**
Western blot analysis of human heart lysate probed with Rabbit anti Human caspase-1 (AAA49982) at 0.5(A), 1(B) and 2(C) ug/ml

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-CASP1 antibody** | Rabbit anti Human Caspase-1 antibody recognizes an epitope within the C-terminal region (CT) of human Caspase-1, otherwise known as IL-1Beta converting enzyme. Caspase-1 is an intracellular cysteine protease, identified as a mammalian homologue to C. elegans cell death gene (ced-3). Caspase-1 has been classified as an inflammatory, rather than apoptotic caspase, due to its essential role in the cleavage of the inactive precursors of the cytokines IL-1beta and IL-18, into their mature activated and secretable forms. Regulation of pro-inflammatory cytokines by Caspase-1 has made inhibitors of Caspase-1 a possible target for use as therapeutic drugs for the treatment of inflammatory diseases (Ghayur et al. 1997). Rabbit anti Human Caspase-1 antibody detects a cleaved subunit band of approximately 21 kDa in human heart cell lysates (predicted precursor MWT 45.2kDa). |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 4502573 |
| **NCBI GeneID** | 834 |
| **NCBI Accession #** | NP_001214.1 |
| **NCBI GenBank Nucleotide #** | NM_001223.4 |
| **UniProt Accession #** | P29466; Q53EY6; Q6DMQ1; Q6GSS3; Q6PI75; Q9UCN3; B5MDZ1 |
| **Molecular Weight** | 10,417 Da |
| **NCBI Official Full Name** | caspase-1 isoform beta |
| **NCBI Official Synonym Full Names** | caspase 1, apoptosis-related cysteine peptidase |
| **NCBI Official Symbol** | CASP1 |
| **NCBI Official Synonym Symbols** | ICE; P45; IL1BC |
| **NCBI Protein Information** | caspase-1; CASP1 nirs variant 1; IL-1 beta-converting enzyme; IL1B-convertase; caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase); interleukin 1-B converting enzyme |
| **UniProt Protein Name** | Caspase-1 |
| **UniProt Gene Name** | **CASP1** |
| **UniProt Synonym Gene Names** | IL1BC; IL1BCE; CASP-1; IL-1BC; ICE; IL-1 beta-converting enzyme |
| **UniProt Entry Name** | CASP1_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/caspase-1-antibody-western-blot-immunohistochemistry-elisa/49982