

Datasheet for ABIN2617918

**anti-Caspase 1 antibody (AA 249-262)**[Go to Product page](#)

## Overview

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µg                                                                                                         |
| Target:              | Caspase 1 (CASP1)                                                                                              |
| Binding Specificity: | AA 249-262                                                                                                     |
| Reactivity:          | Human                                                                                                          |
| Host:                | Rabbit                                                                                                         |
| Clonality:           | Polyclonal                                                                                                     |
| Conjugate:           | This Caspase 1 antibody is un-conjugated                                                                       |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                             |                                                                                                                                                                                                                    |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:                  | A synthetic peptide corresponding to a sequence at the C-terminus of human Caspase-1(P10)(249-262aa VFIGRLIEHMQEYA).                                                                                               |
| Isotype:                    | IgG                                                                                                                                                                                                                |
| Specificity:                | Expressed in larger amounts in spleen and lung. Detected in liver, heart, small intestine, colon, thymus, prostate, skeletal muscle, peripheral blood leukocytes, kidney and testis. No expression in the brain. . |
| Cross-Reactivity (Details): | No cross reactivity with other proteins.                                                                                                                                                                           |
| Purification:               | Immunogen affinity purified                                                                                                                                                                                        |

## Target Details

|                   |                                                                                                                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Caspase 1 (CASP1)                                                                                                                                                                                                                                                              |
| Alternative Name: | CASP1 / Caspase 1 ( <a href="#">CASP1 Products</a> )                                                                                                                                                                                                                           |
| Background:       | Name/Gene ID: CASP1<br>Subfamily: Cysteine C14<br>Family: Protease<br><br>Synonyms: CASP1, Caspase-1, CASP-1, CASP1 nirs variant 1, Caspase 1, ICE, ICE-like protease, IL-1 beta-converting enzyme, IL-1BC, IL1BC, IL1BCE, p45, IL1B-convertase, Interleukin-1 beta convertase |
| Gene ID:          | 834                                                                                                                                                                                                                                                                            |
| Pathways:         | <a href="#">Apoptosis</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Inflammasome</a>                                                                                                            |

## Application Details

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| Application Notes: | Approved: IHC, IHC-P (0.5 - 1 µg/mL), WB (0.1 - 0.5 µg/mL) |
| Comment:           | Target Species of Antibody: Human                          |
| Restrictions:      | For Research Use only                                      |

## Handling

|                    |                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                           |
| Reconstitution:    | Distilled water                                                                                                                                                  |
| Concentration:     | Lot specific                                                                                                                                                     |
| Buffer:            | Contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg sodium azide per 100 µg antibody.                          |
| Preservative:      | Sodium azide, Thimerosal (Merthiolate)                                                                                                                           |
| Precaution of Use: | This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.               |
| Storage:           | 4 °C, -20 °C                                                                                                                                                     |
| Storage Comment:   | At -20°C for 1 year. After reconstitution, at 4°C for 1 month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid freeze-thaw cycles. |