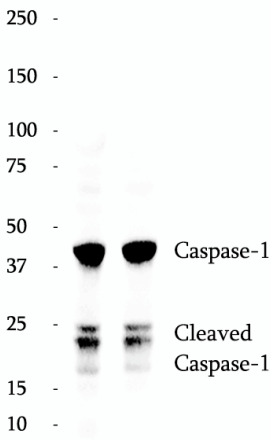


## Certificate of Analysis

|                |                         |
|----------------|-------------------------|
| Catalog Number | BP60668                 |
| Product Name   | Anti-Caspase 1 antibody |

## Physical and Chemical Properties

|  |   |
|--|---|
| Molecular Weight                         | 45-47 kDa, 30 kDa, 35 kDa   |
| GenBank                                  | BC062327  |
| Uniprot                                  | P29466  |
| Concentration                            | 530 µg/ml   |
| Form                                     | Liquid  |
| Storage Instruction                      | 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol.<br>Store at -20°C. Do Not Aliquot.  |
| Chemical Structure<br>OR<br>Tested Image |  <p>250 -<br/>150 -<br/>100 -<br/>75 -<br/>50 -<br/>37 -<br/>25 -<br/>15 -<br/>10 -</p> <p>Caspase-1<br/>Cleaved Caspase-1</p> |

## Product Information

|                      |  |
|----------------------|--|
| Description          | CASP1 (caspase-1) is also named as IL1BC, IL1BCE and belongs to the peptidase C14A family. It is a cysteine protease that regulates inflammatory processes through its capacity to process and activate the interleukin-1-beta (IL1B), IL18, and IL33 precursor proteins. The active caspase-1 can increase cellular membrane permeability and intracellular calcium levels, which facilitates lysosome exocytosis and release of host antimicrobial factors and microbial products. It has 5 isoforms produced by alternative splicing. 22915-1-AP can recognize all the five isoforms of caspase 1. It also can recognize p45 procaspase and the mature fragments p10 and p20. |
| Tested Applications  | WB: 1:1000; IF: 1:100-1:300; IHC:1:50-1:200  |
| Species Reactivity   | Human, Mouse, Rat  |
| Host Species/Isotype | Rabbit/IgG   |

## Analytical Data

|                   |   |
|-------------------|---|
| Quality Assurance | The biological and chemical parameters such as concentration, purity, application and specificity of the tested antibody comply with the above-mentioned criteria of the product. |
|-------------------|---|

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