

# Anti-Caspase 4 Picoband Antibody

Catalog # ABO10270

## Product Information

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|--------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IHC-P, IHC-F, IF, FC, IC, ICC, E                                                             |
| <b>Primary Accession</b> | <a href="#">A02941-1</a>                                                                              |
| <b>Host</b>              | Rabbit                                                                                                |
| <b>Reactivity</b>        | Human                                                                                                 |
| <b>Clonality</b>         | Polyclonal                                                                                            |
| <b>Format</b>            | Lyophilized                                                                                           |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Caspase 4 detection. Tested with WB, IHC-P, Direct ELISA in Human. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                  |

## Additional Information

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| <b>Application Details</b>      | Western blot, 0.1-0.5 $\mu$ g/ml<br>Immunohistochemistry(Paraffin-embedded Section), 0.5-1 $\mu$ g/ml<br>Direct ELISA, 0.1-0.5 $\mu$ g/ml                                             |
| <b>Subcellular Localization</b> | Cytoplasm, cytosol.                                                                                                                                                                   |
| <b>Tissue Specificity</b>       | Widely expressed, including in keratinocytes and colonic and small intestinal epithelial cells (at protein level). Not detected in brain.                                             |
| <b>Contents</b>                 | Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .                                                                      |
| <b>Immunogen</b>                | E. coli-derived human Caspase 4 recombinant protein (Position: H111-R194).                                                                                                            |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins.                                                                                                                                              |
| <b>Storage</b>                  | At -20 °C; for one year. After reconstitution, at 4 °C; for one month. It can also be aliquotted and stored frozen at -20 °C; for a longer time. Avoid repeated freezing and thawing. |

## Protein Information

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### Background

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Caspase 4 is an enzyme that proteolytically cleaves other proteins at an aspartic acid residue, and belongs to a family of cysteine proteases called caspases. The Caspase 4 gene is mapped to a P1 clone containing the ICE gene, which is located at chromosome 11q22.2-q22.3. It contains 8 coding exons. The function of caspase 4 is not fully known, but it is believed to be an inflammatory caspase, along with caspase 1, caspase

5 (and the murine homolog caspase 11), with a role in the immune system.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.