

## anti-Human, Mouse Caspase 1 Antibody | anti-CASP-1 antibody

Caspase 1 (Phospho-Ser376) Antibody

|                               |                                   |                                                                  |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA112121</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|

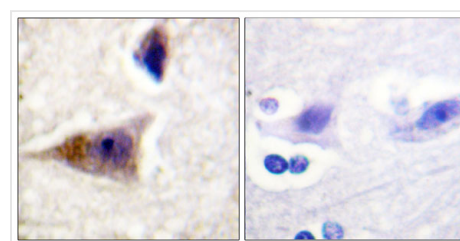
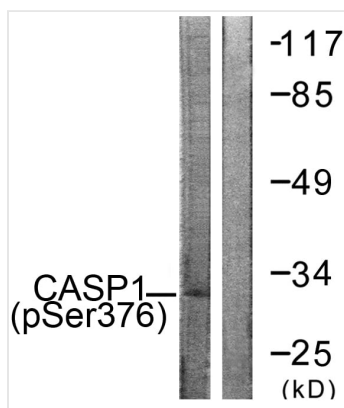
### PRODUCT SYNONYMS

Caspase 1; Caspase 1 (Phospho-Ser376) Antibody; EC 3.4.22.36; ICE; IL-1 beta converting enzyme; IL-1BC; IL1BCE; caspase-1; interleukin-1 beta convertase; interleukin-1 beta converting enzyme; p45; anti-CASP-1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                     |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                       | Human, Mouse                                                                                                                                                                                                                                        |
| Specificity                                      | Caspase 1 (Phospho-Ser376) antibody detects endogenous levels of Caspase 1 only when phosphorylated at serine 376.                                                                                                                                  |
| Purity/Purification                              | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                      | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                  | 383                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-CASP-1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                        | The antiserum was produced against synthesized phosphopeptide derived from human Caspase 1 around the phosphorylation site of serine 376 (R-F-SP-F-E).                                                                                              |
| All Sites                                        | Human: Ser376<br>Mouse: Ser374                                                                                                                                                                                                                      |
| Preparation and Storage                          | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using Caspase 1 (Phospho-Ser376) antibody. Western blot analysis of extracts from 293 cells, using Caspase 1 (Phospho-Ser376) antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-CASP-1 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                         | Thornberry N.A., Nature 356:768-774(1992). Feng Q., Genomics 84:587-591(2004). Agostini L., Immunity 20:319-325(2004).                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| 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                                                       |
| NCBI Official Symbol             | CASP1                                                           |
| NCBI Official Synonym Symbols    | ICE; P45; IL1BC                                                 |
| NCBI Protein Information         | caspase-1                                                       |
| 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 |

**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://stage.aaabiotech.com/casp-1-human-mouse-antibody/caspase-1/112121>