

## Product datasheet for **TA306199**

### Caspase 1 (CASP1) Rabbit Polyclonal Antibody

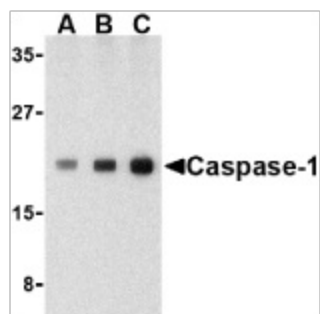
#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 2 ug/mL, IF: 10 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Caspase-1 antibody was raised against a 16 amino acid peptide from near the carboxy-terminus of human Caspase-1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	caspase 1
Database Link:	<a href="#">NP_150634</a> <a href="#">Entrez Gene 834 Human</a> <a href="#">P29466</a>
Background:	Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens (reviewed in 1 and 2). Members of this subfamily include caspase-1, -4, -5, and -12 and can activate proinflammatory cytokines such as IL-1? and IL-18 (3,4). Caspase-1 was initially identified as an IL-1beta-converting enzyme (5); later experiments revealed it to be a mammalian homolog of the C. elegans cell death gene ced-3 (6) whose overexpression can induce apoptosis in fibroblasts (7).

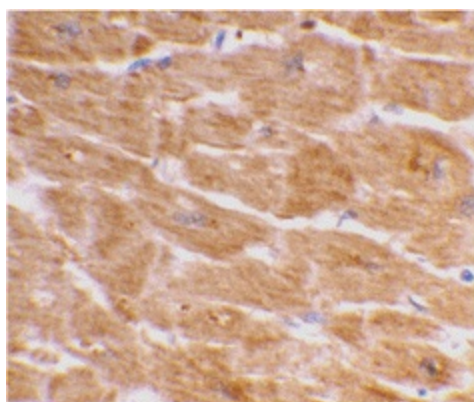

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Synonyms: ICE; IL1BC; P45

## Product images:



Western blot analysis of Caspase-1 in human heart cell lysate with Caspase-1 antibody at (A) 0.5, (B) 1, and (C) 2 ug/ml.



Immunohistochemical staining of human heart tissue using Caspase-1 antibody at 2 ug/ml.