

## Product datasheet for **TA306198**

### Caspase 5 (CASP5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 2 ug/mL, IF: 2 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Caspase-5 antibody was raised against a 14 amino acid peptide from the center of human Caspase-5.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	caspase 5
Database Link:	<a href="#">NP_001129581</a> <a href="#">Entrez Gene 838 Human</a> <a href="#">P51878</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). Members of this subfamily include caspase-1, -4, -5, and -12. Activation of these caspases results in the cleavage and activation of proinflammatory cytokines such as IL-1beta and IL-18 (2,3). Caspase-5 can interact with caspase-1; both are constituents of the NALP1 inflammasome, a complex that can trigger the cleavage of pro-IL-1beta (4). Expression of caspase-5 can be regulated by lipopolysaccharide (LPS) and IFN-γ (5).



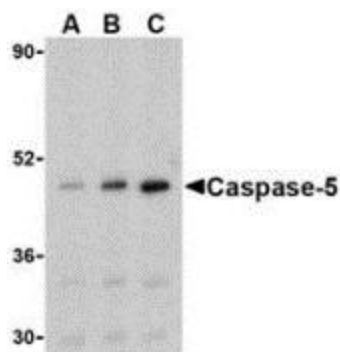
[View online »](#)

**Synonyms:** ICE(rel)III; ICEREL-III; ICH-3

**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** NOD-like receptor signaling pathway

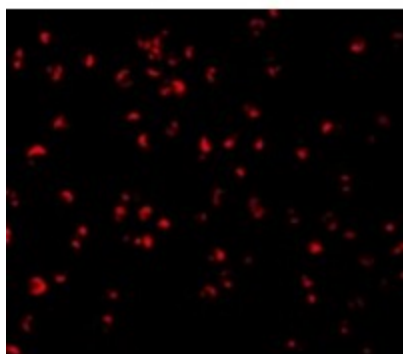
**Product images:**



Western blot analysis of caspase-5 in Ramos cells with caspase-5 antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



Immunocytochemistry of caspase-5 in P815 cells with caspase-5 antibody at 2 ug/mL.



Immunofluorescence of Caspase-5 in P815 cells with Caspase-5 antibody at 2 ug/mL.