Product datasheet for TA306197

Caspase 5 (CASP5) Rabbit Polyclonal Antibody

Product data:

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Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Caspase-5 antibody was raised against a 16 amino acid peptide from the amino-terminus 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:	NP_001129581 Entrez Gene 838 Human P51878
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-Y (5).

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

Protein Families: Druggable Genome, Protease

Protein Pathways: NOD-like receptor signaling pathway

Product images:
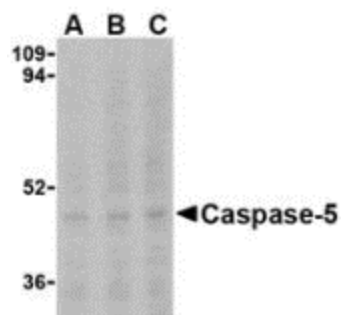
Western blot analysis of Caspase-5 in Ramos cells with Caspase-5 antibody at (A) 0.5, (B) 1, and (C) 2 ug/ml.

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