BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Caspase-5 CASP5 Antibody

Catalog Number: A05259-1

About CASP5

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. 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. 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. Expression of caspase-5 can be regulated by lipopolysaccharide (LPS) and IFN-gamma.

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Overview

Product Name	Anti-Caspase-5 CASP5 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Caspase-5 CASP5 Antibody (Catalog # A05259-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	Caspase-5 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Caspase-5 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P51878

Technical Details

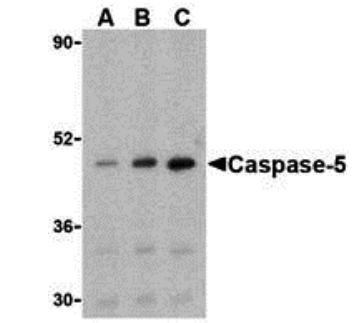
Immunogen	Caspase-5 antibody was raised against a 14 amino acid synthetic peptide from the center of human Caspase-5. The immunogen is located within amino acids 170 - 220 of Caspase-5.
Predicted Reactive Species	Bovine
Cross Reactivity	Depending on cell lines or tissues used, other cleavage products may be observed.

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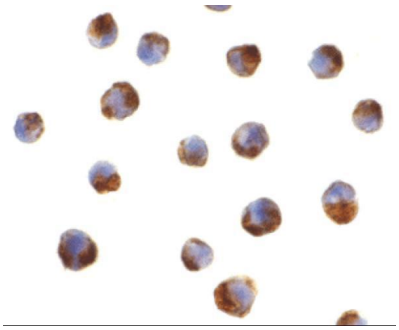
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Caspase-5 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Casp-5 antibody can be used for the detection of caspase-5 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 2 ug/mL. For immunofluorescence start at 2 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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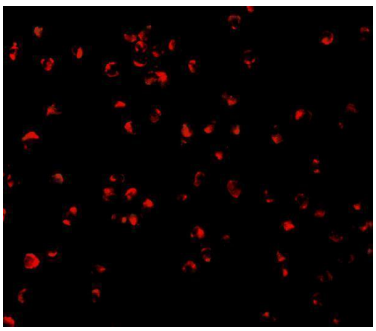
Anti-Caspase-5 CASP5 Antibody (A05259-1) Images



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.

Anti-Caspase-5 CASP5 Antibody

For Research Use Only. Not for use in diagnostic procedures.