BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Caspase-3 CASP3 Antibody

Catalog Number: A00334

About CASP3

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. The apoptotic subfamily can be further divided into initiator caspases, which are activated in response to death signals, and executioner caspases, which are activated by the initiator caspases and are responsible for cleavage of cellular substrates that ultimately lead to cell death. Caspase-3 is synthesized as an inactive proenzyme that undergoes proteolytic cleavage by caspases 8, 9 and 10 to produce 2 subunits, termed p20 and p11. These subunits dimerize to form the active enzyme. Caspase-3 proteolytically cleaves and activates other proteins such as caspases 6, 7 and 9.

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Overview

Product Name	Anti-Caspase-3 CASP3 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Caspase-3 CASP3 Antibody (Catalog # A00334). Tested in ELISA, IHC-P applications. This antibody reacts with Human.
Application	ELISA, IHC-P
Clonality	Polyclonal
Formulation	Caspase-3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Caspase-3 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	P42574

Technical Details

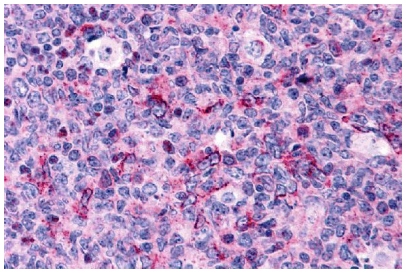
Immunogen	Caspase-3 antibody was raised against a 17 amino acid synthetic peptide near the center of human Caspase-3. The immunogen is located within amino acids 70 - 120 of Caspase-3.

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Predicted Reactive Species	Bovine, Mouse, Pig, Rabbit, Rat
Cross Reactivity	At least two isoforms of Caspase-3 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Caspase-3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Caspase-3 antibody can be used for detection of Caspase-3 by immunohistochemistry at 5 ug/mL. Antibody validated: Immunohistochemistry in human 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-3 CASP3 Antibody (A00334) Images



Immunohistochemistry of Caspase-3 in human tonsil tissue with Caspase-3 antibody at 5 ug/mL.

Anti-Caspase-3 CASP3 Antibody

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