

Anti-Caspase-10 CASP10 Antibody

Catalog Number: A02190

About CASP10

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain (DD)- containing adapter molecules and members of the ICE/CED-3 protease family. A novel ICE/CED-3 protease was identified recently, designated FLICE2 and Mch4 and renamed as caspase-10. Caspase-10 has two death effector domains (DEDs) that bind to the DED in the adapter molecule FADD and recruits both TNFR1 and CD95 to form complexes with these receptors. Caspase-10 is therefore involved in the CD95 and TNFR1 induced apoptosis. Caspase-10 cleaves and activates caspase-3, -4, -6, -7, -8 and -9, which causes the proteolytic cleavage of many key proteins such as PARP. Cleavage of PARP occurs in many different systems during apoptosis and is the hallmark of programmed cell death. Caspase-10 is expressed in many tissues and cell lines.

Overview

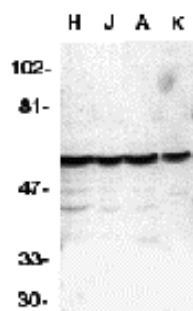
Product Name	Anti-Caspase-10 CASP10 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Caspase-10 CASP10 Antibody (Catalog # A02190). Tested in ELISA, WB, IF, ICC applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	Caspase-10 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Caspase-10 antibody can be stored at 4°C for three months and -20°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	Q92851

Technical Details

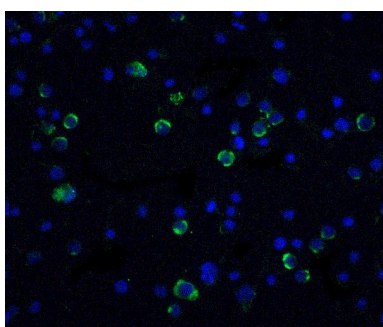
Immunogen	Caspase-10 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human Caspase-10. The immunogen is located within amino acids 240 - 290 of Caspase-10.
Predicted Reactive Species	Bovine, Mouse, Rat
Cross Reactivity	Antibody only recognizes FLICE2 form of caspase-10.
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	Caspase-10 Antibody is Antibody is DEAE purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Caspase-10 antibody can be used for detection of caspase-10 by Western blot 1 ug/mL. A 59 kDa band can be detected. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Caspase-10 CASP10 Antibody (A02190) Images

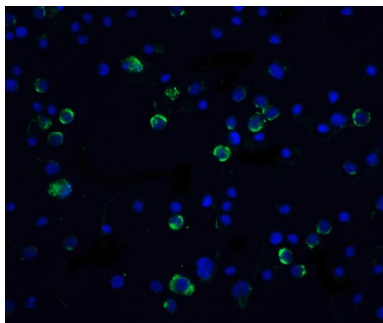


Western blot analysis of caspase-10 in HeLa (H)



Immunofluorescence of Casp10 in Hela cells with Caspase 10 antibody at 20 ug/mL.

Green: Caspase-10 Antibody (A02190)
Blue: DAPI staining



Immunocytochemistry of Casp10 in Hela cells with Caspase 10 antibody at 5 ug/mL.

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