BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-DFF40 Dffb Antibody

Catalog Number: A05374-3

About DFFB

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 containing adapter molecules and members of the caspase family of proteases. These death signals finally cause the degradation of chromosomal DNA by activated DNase. A mouse DNase that causes DNA fragmentation was identified recently and designated CAD (for caspase activated deoxyribonuclease). The human homologue of mouse CAD was more recently identified by three groups independently and termed CPAN, DFF40, and human CAD, respectively. DFF45/ICAD is the inhibitory protein of DFF40/CAD and forms complex with DFF40/CAD. Upon cleavage of DFF45/ICAD by activated caspase, DFF40/CAD is released and activated and eventually causes the degradation of DNA in the nuclei. Activation of DFF40/CAD, which causes DNA degradation, is the hallmark of apoptotic cell death.

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Overview

Product Name	Anti-DFF40 Dffb Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-DFF40 Dffb Antibody (Catalog # A05374-3). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	DFF40 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O54788

Technical Details

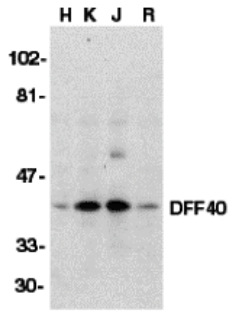
Immunogen	DFF40 antibody was raised against a peptide corresponding to 18 amino acids near the center of murine CAD. The immunogen is located within amino acids 130 - 180 of DFF40.

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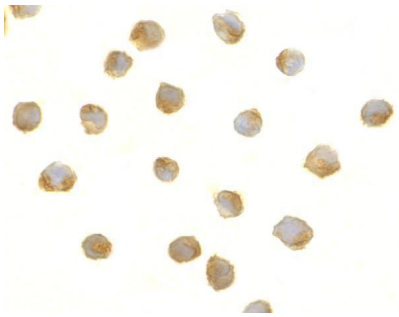
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	DFF40 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	DFF40 antibody can be used for detection of DFF40 by Western blot 0.5 ug/mL. A 40 kDa band can be detected. Antibody can also be used for immunocytochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. 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.

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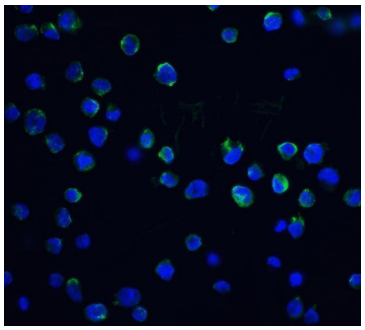
Anti-DFF40 Dffb Antibody (A05374-3) Images



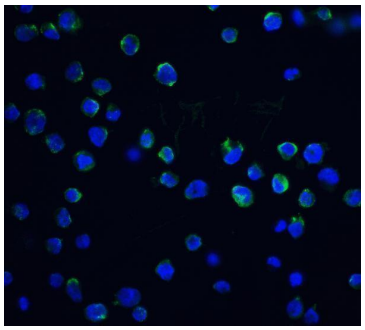
Western blot analysis of DFF40 in HeLa (H), K562 (K), Jurkat (J), and Raji (R) whole cell lysate with DFF40 antibody (I18) at 1:500 dilution.



Immunocytochemistry of DFF40 in Jurkat cells with DFF40 antibody at 5 ug/mL.



Immunofluorescence of DFF40 in K562 cells with DFF40 antibody at 20 ug/ml.



Immunofluorescence of DFF40 in K562 cells with DFF40 antibody at 20 ug/mL.Green: DFF40 Antibody (A05374-3) Blue: DAPI staining

Anti-DFF40 Dffb Antibody

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