BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Acinus ACIN1 Antibody

Catalog Number: A04743

About ACIN1

Chromatin condensation and nuclear fragmentation (CCNF) is the hallmark of apoptosis. CCNF is triggered by the activation of members of caspase family, caspase activated DNase (CAD/DFF40), and several novel proteins including AIF and CIDE. A new inducer of chromatin condensation was recently identified and designated Acinus (for apoptotic chromatin condensation inducer in the nucleus). Acinus is cleaved by caspase-3 and an additional unknown protease generating a small active peptide p17, which causes chromatin condensation in vitro when it is added to purified nuclei. Acinus also induces apoptotic chromatin condensation in cells. Acinus is ubiquitously expressed. Three different spliced forms of Acinus have been identified in human and mouse and designated AcinusL, AcinusS and AcinusS'.

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Overview

Product Name	Anti-Acinus ACIN1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Acinus ACIN1 Antibody (Catalog # A04743). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	Acinus Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Acinus 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	Q9UKV3

Technical Details

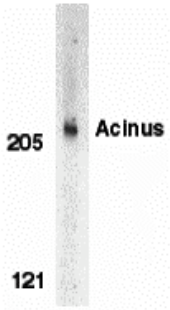
Immunogen	Acinus antibody was raised against a peptide corresponding to amino acids near the C-terminus of the cleaved active peptide p17, which are identical to those of mouse Acinus. The immunogen is located within amino acids 1050 - 1100 of Acinus.

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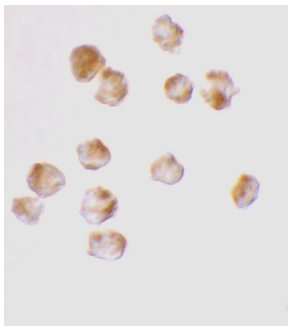
Predicted Reactive Species	Mouse
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	Acinus Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Acinus antibody can be used for detection of Acinus by Western blot at 1 ug/mL. An approximate 220 kDa band can be detected. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 10 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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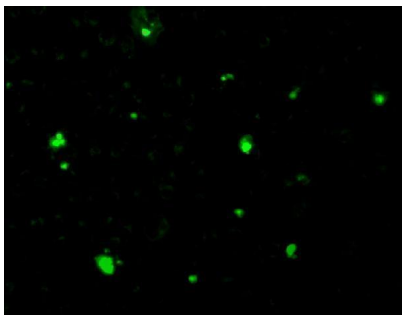
Anti-Acinus ACIN1 Antibody (A04743) Images



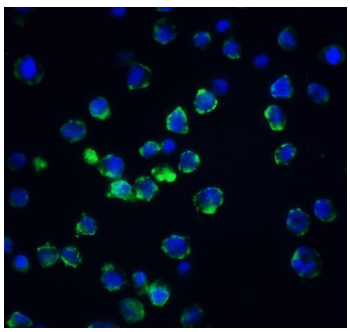
Western blot analysis of Acinus in K562 whole cell lysate with Acinus antibody (CP) at 1 ug/mL.



Immunocytochemistry staining of K562 cells using Acinus antibody at 10 ug/mL.



Immunofluorescence of Acinus in Hela cells with Acinus antibody at 10 ug/mL.



Immunofluorescence of Acinus in K562 cells with Acinus antibody at 20 ug/ml.Green: Acinus Antibody (A04743) Blue: DAPI staining

Anti-Acinus ACIN1 Antibody

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