

Anti-Survivin BIRC5 Antibody

Catalog Number: A00379-1

About BIRC5

Apoptosis, or programmed cell death, is related to many diseases, such as cancer. Apoptosis is triggered by a variety of stimuli including members in the TNF family and prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family that binds to and inhibits cell death proteases. A novel IAP protein was recently identified and designated survivin, apoptosis inhibitor 4 (API4), and TIAP. Survivin/TIAP interacted with the processed form of caspase-3 and inhibited its proteolytic activity. Survivin/TIAP is predominantly expressed in tissues of embryos, transformed cell lines, and many human cancers and lymphomas.

Overview

Product Name	Anti-Survivin BIRC5 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Survivin BIRC5 Antibody (Catalog # A00379-1). Tested in ELISA, WB, ICC, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, ICC, WB
Clonality	Polyclonal
Formulation	Survivin Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Survivin 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	O15392

Technical Details

Immunogen	Anti-Survivin antibody was raised against a peptide corresponding to 12 amino acids near the amino terminus of human Survivin. The immunogen is located within the first 50 amino acids of Survivin.
Predicted Reactive Species	Bovine, Pig, Rat
Cross Reactivity	At least two isoforms of TSC1 are known to exist; this antibody will detect both isoforms. TSC1 antibody is predicted to not cross-react with TSC2.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Survivin Antibody is affinity chromatography purified via peptide column.

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.

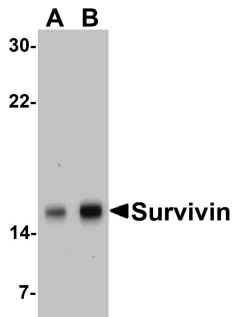
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB: 1-5ug/mL; ICC: 5 ug/mL; IF: 20 ug/mL; IHC: 5 ug/mL.

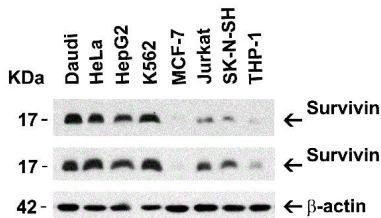
Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples; Immunofluorescence and Immunohistochemistry in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Survivin BIRC5 Antibody (A00379-1) Images



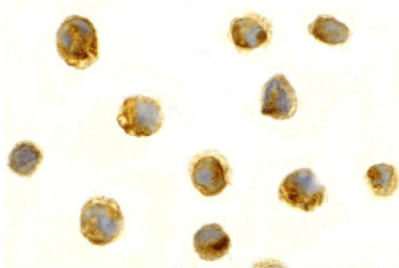
Western Blot Validation in Human MOLT4 Cell Lysate

Loading: 15 ug of lysates per lane. Antibodies: Survivin A00379-1 (A: 1 ug/mL and B: 2 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



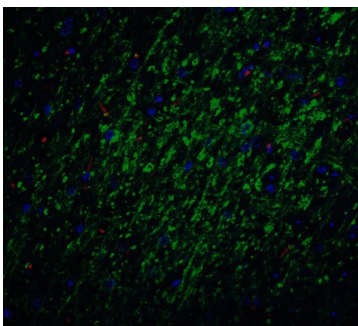
Independent Antibody Validation (IAV) via Protein Expression Profile in Human Cell Lines

Loading: 15 ug of lysates per lane. Antibodies: Survivin A00379-1 (5 ug/mL), Survivin (4 ug/mL) and beta-actin (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



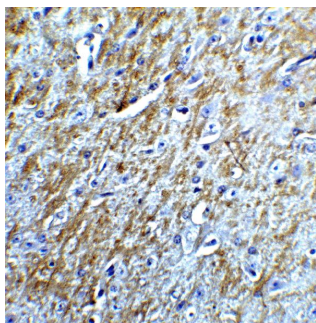
Immunocytochemistry Validation of Survivin in Jurkat Cells

Immunocytochemical analysis of Jurkat cells using anti-Survivin antibody (A00379-1) at 5 ug/ml. Cells were fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



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Immunohistochemistry Validation of Survivin in Mouse Brain Tissue

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Survivin antibody (A00379-1) at 5 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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