



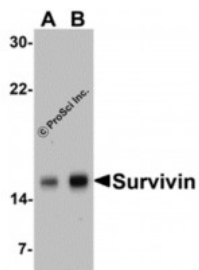
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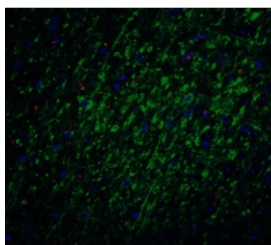
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Survivin Antibody

CATALOG NUMBER: 2233

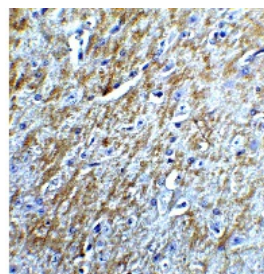


Western blot analysis of Survivin in MOLT4 cell lysate with Survivin antibody at (A) 1 and (B) 2 ug/mL.

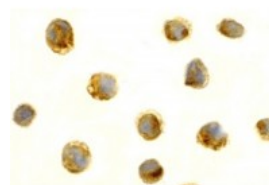


Immunofluorescence of Survivin in mouse brain tissue with Survivin Antibody at 20 ug/mL.

Green: Survivin antibody (2233)
Red: Phalloidin staining
Blue: DAPI staining



Immunohistochemistry of Survivin in mouse brain tissue with Survivin Antibody at 5 ug/mL.



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

Specifications

SPECIES REACTIVITY:	Human, Mouse
HOMOLOGY:	Predicted species reactivity based on immunogen sequence: Pig: (82%), Bovine: (82%)
TESTED APPLICATIONS:	ELISA, ICC, IF, IHC-P, WB
APPLICATIONS:	Survivin antibody can be used for detection of survivin by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL and immunocytochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples; Immunocytochemistry in human samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1206 - MOLT4 Cell Lysate 2) Cat. No. 1205 - Jurkat Cell Lysate 3) Cat. No. 17-005 - Jurkat Cell Slide
PREDICTED MOLECULAR WEIGHT:	Predicted: 16 kDa

Observed: 16 kDa

IMMUNOGEN: 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.

HOST SPECIES: Rabbit

Properties

PURIFICATION: Survivin Antibody is affinity chromatography purified via peptide column.

PHYSICAL STATE: Liquid

BUFFER: Survivin Antibody is supplied in PBS containing 0.02% sodium azide.

CONCENTRATION: 1 mg/mL

STORAGE CONDITIONS: Survivin antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

CLONALITY: Polyclonal

ISOTYPE: IgG

CONJUGATE: Unconjugated

Additional Info

ALTERNATE NAMES: Survivin Antibody: API4, EPR-1, API4, IAP4, Baculoviral IAP repeat-containing protein 5, Apoptosis inhibitor 4

ACCESSION NO.: NP_001159

PROTEIN GI NO.: 59859878

OFFICIAL SYMBOL: BIRC5

GENE ID: 332

Background

BACKGROUND: Survivin Antibody: 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.

REFERENCES: 1) Ambrosini G, Adida C, and Altieri DC. A novel anti-apoptosis gene, survivin, expressed in cancer and lymphoma. *Nat. Med.* 1997; 3:917-21.

2) Li F, Ambrosini G, Chu EY, et al. Control of apoptosis and mitotic spindle checkpoint by survivin. *Nature* 1998; 396:580-4.

3) Kobayashi K, Hatano M, Otaki M, et al. Expression of a murine homologue of the inhibitor of apoptosis protein is related to cell proliferation. *Proc. Natl. Acad. Sci. USA* 1999; 96:1457-62.

FOR RESEARCH USE ONLY

April 5, 2018