cellsciences.com

Anti-Human Survivin (CT) *TIAP/API4*

CATALOG No.: PX119A SIZE: 100 µg
PX119B SIZE: 0.5 mg

BACKGROUND:

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 (1-3). 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 (1,3).

SOURCE:

Rabbit anti-survivin (CT) polyclonal antibody was raised against a peptide corresponding to amino acids 129 to 142 of human origin (1).

APPLICATION:

This polyclonal antibody can be used for detection of survivin by Western blot at 0.5 to 1 µg/ml. MOLT4 cell lysate can be used as positive control and an approximate 17 kDa band should be detected. For research use only.

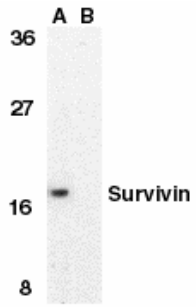
STORAGE:

It is supplied as ion exchange chromatography purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

RELATED PRODUCTS:

Blocking peptide, 50 µg at 200 µg/ml, is available for competition studies.

MOLT4 cell lysate, 200 µg at 2 mg/ml, is available for positive control.



Western blot analysis of survivin in MOLT4 cell lysate in the absence (A) or presence (B) of blocking peptide with anti-survivin (CT) at 1 µg/ml.

REFERENCES:

1. Ambrosini G, Adida C, 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, Plescia J, Tognin S, Marchisio PC, Altieri DC. Control of apoptosis and mitotic spindle checkpoint by survivin. *Nature* 1998;396:580-4

3. Kobayashi K, Hatano M, Otaki M, Ogasawara T, Tokuhisa T. 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

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.

Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com