

**RABBIT ANTI-SURVIVIN (C-TERMINAL) [TIAP / API4]
POLYCLONAL ANTIBODY**

CATALOG NUMBER: AB16533

LOT NUMBER:

QUANTITY: 100 µg

CONCENTRATION: 1 mg/mL

SPECIFICITY: 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 TIAP¹⁻³. 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 lymphomas¹.

IMMUNOGEN: Rabbit anti-Survivin (C-terminal) polyclonal antibody was raised against a peptide corresponding to amino acids 129 to 142 of human origin¹.

APPLICATIONS: Western blot: 0.5 to 1 µg/mL.
MOLT4 cell lysate can be used as positive control and an approximate 17 kDa band should be detected.
Optimal working dilutions must be determined by end user.

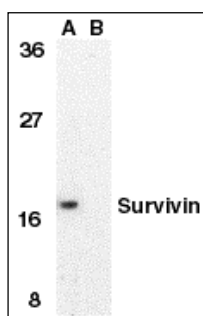
FORMAT: Purified immunoglobulin

PRESENTATION: Liquid in PBS containing 0.02% sodium azide.

STORAGE/HANDLING: Maintain at 2-8C in undiluted aliquots for up to 12 months.

REFERENCES:

1. Ambrosini, G. et al. (1997). *Nat. Med.* **3**: 917-21.
2. Li, F. et al. (1998). *Nature* **396**: 580-4.
3. Kobayashi, K. et al. (1999). *Proc. Natl. Acad. Sci. USA* **96**: 1457-62.



Western blot analysis of survivin in MOLT4 cell lysate in the absence (A) or presence (B) of blocking peptide with anti-survivin (AB16533) at 1 µg/ml.

For research use only; not for use as a diagnostic.