



MOUSE ANTI-SURVIVIN MONOCLONAL ANTIBODY

CATALOG NUMBER: MAB4617

LOT NUMBER:

QUANTITY: 50 µg

CONCENTRATION: 0.2 mg/mL

HOST/ISOTYPE: IgG₁

BACKGROUND: Survivin, an inhibitor of apoptosis (IAP) protein, is expressed in the G2/M phase of the cell cycle in a cycle-regulated manner. At the beginning of mitosis, survivin associates with microtubules of the mitotic spindle in a specific and saturable reaction that is regulated by microtubule dynamics. Disruption of survivin-microtubule interactions results in loss of survivin's anti-apoptosis function and increased caspase-3 activity, a mechanism involved in cell death, during mitosis. It indicates that survivin may counteract a default induction of apoptosis in G2/M phase. The overexpression of survivin in cancer may overcome this apoptotic checkpoint and favor aberrant progression of transformed cells through mitosis.

SPECIFICITY: Human survivin (16.5 kDa)

IMMUNOGEN: Full length recombinant human survivin

APPLICATIONS: Immunofluorescence
ELISA (for detection only)
Does not work for Western Blot
Does not work for Immunohistochemistry

Optimal working dilutions must be determined by end user.

SPECIES REACTIVITY: Human and rat

FORMAT: Purified immunoglobulin by Protein G

PRESENTATION: Liquid in 10 mM PBS, pH 7.4 containing 0.2% BSA and 0.09% sodium azide

STORAGE/HANDLING: Maintain at 2-8°C for up to 12 months

REFERENCES: Li, F. et al. (1998). *Nature* **396**: 580-584.
Ambrosini, G. et al. (1997). *Nature Med.* **3**: 917-921.
Lu, C.D. et al. (1998). *Cancer Res.* **58**: 1808-1812.



Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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