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MOUSE ANTI-SURVIVIN MONOCLONAL ANTIBODY

CATALOG NUMBER: MAB4617 **LOT NUMBER:**

QUANTITY: 50 µg **CONCENTRATION:** 0.2 mg/mL

HOST/ISOTYPE: IgG_1

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.

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

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 µL 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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USA & Canada • Phone: +1(800) 437-7500 • Fax: +1 (909) 676-9209 • Europe +44 (0) 23 8026 2233
Australia +61 3 9839 2000 • Germany +49-6192-207300 • ISO Registered worldwide
www.chemicon.com • custserv@chemicon.com • techserv@chemicon.com