

#3947 Store at -20C

Survivin (71G4B7) Rabbit mAb (Sepharose® Bead Conjugate)


Cell Signaling
TECHNOLOGY®

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IP	H M R	Endogenous	16	Rabbit IgG	#O15392	332

Product Usage Information	Application	Dilution
	Immunoprecipitation	1:20
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol. Store at -20°C. Do not aliquot the antibodies.	
Specificity / Sensitivity	Survivin (71G4B7) Rabbit mAb (Sepharose Bead Conjugate) detects endogenous levels of total survivin protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Cys60 of human survivin protein.	
Product Description	This Cell Signaling Technology antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated Sepharose® beads. Survivin (71G4B7) Rabbit mAb (Sepharose Bead Conjugate) is useful for immunoprecipitation assays.	

MW (kDa)	16
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Background	Survivin is a 16 kDa anti-apoptotic protein highly expressed during fetal development and cancer cell malignancy (1). Survivin binds and inhibits caspase-3, controlling the checkpoint in the G2/M-phase of the cell cycle by inhibiting apoptosis and promoting cell division (2,3). This regulatory process requires the phosphorylation of survivin at Thr34 by p34 cdc2 kinase (4). Gene targeting using a Thr34 phosphorylation-defective survivin mutant, as well as antisense survivin, have been shown to inhibit tumor growth (5,6).
Background References	<ol style="list-style-type: none"> 1. Reed, J.C. and Reed, S.I. (1999) <i>Nature Cell Biol.</i> 1, 199-200. 2. Li, F. et al. (1998) <i>Nature</i> 396, 580-584. 3. Li, F. et al. (1999) <i>Nat. Cell Biol.</i> 1, 461-466. 4. O'Connor, D.S. et al. (2000) <i>Proc. Natl. Acad. Sci. USA</i> 97, 13103-13107. 5. Olie, R.A. et al. (2000) <i>Cancer Res.</i> 60, 2805-2809. 6. Grossman, D. et al. (2001) <i>Proc. Natl. Acad. Sci. USA</i> 98, 635-640.

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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