

Purified anti-Phospho-Survivin (Thr34)

Catalog # / Size: 632601 / 25 μ l
632602 / 100 μ l

Clone: Poly6326

Isotype: Rabbit IgG

Immunogen: Modified peptide

Reactivity: Human

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20° C.

Applications:

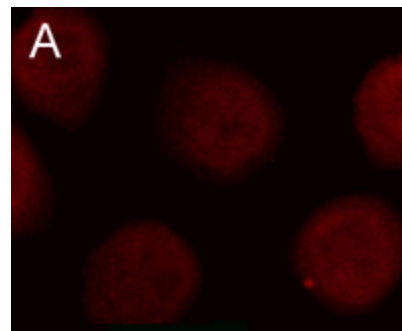
Applications: IF

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescence staining. For immunofluorescence microscopy: Use a dilution range of 1:100–1:400. It is recommended that the reagent be titrated for optimal performance for each application.

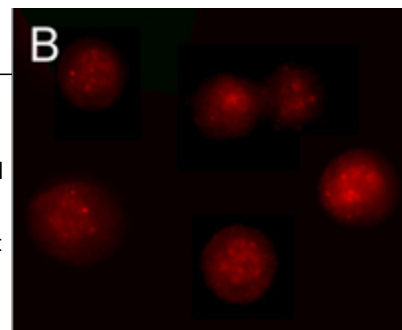
Description: Survivin (also known as baculoviral IAP repeat-containing protein (BIRC5)) is a member of the IAP family containing a BIR domain. This protein has two reported isoforms α and β , with reported molecular weights of approximately 16.5 kD and 18.6 kD, respectively. Survivin can form dimers and is distributed at the microtubules of the mitotic spindle. Survivin plays a possible role in neoplasia and is expressed in embryonic tissues and the majority of human cancers, but not in most normal adult tissues. Survivin may counteract default induction of apoptosis in G2/M phase, and inhibits caspase-3 and caspase-7 activation. Survivin is downregulated by p53 and stabilized by phosphorylation. Survivin is phosphorylated by cdc2. Survivin has been shown to interact with tubulin and HBXIP. The Poly6326 antibody recognizes the human survivin and has been shown to be useful for immunofluorescence microscopy.

Antigen References:

1. Li, F., *et al.*, 1998. *Nature*. 396:580.
2. Chantalat, L., *et al.*, 2000. *Mol. Cell*. 6:183.
3. Wall, N., *et al.*, 2003. *Cancer Res*. 63:230.
4. Lens, S., *et al.*, 2003. *EMBO J*. 22:2934.



Untreated HeLa cells (Panel A), or overnight nocodazole treated HeLa cells (Panel B) stained with purified rabbit polyclonal antibody against Thr34 phosphorylated survivin, followed by Rhodamine Red-X conjugated goat anti-rabbit IgG.



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