

BIRC5

Rabbit Anti-Human Survivin Clone Poly6147 pAb

Catalog No.	CSI14362	Quantity:	50 μ l
	CSI14363		200 μ l

Alternate Names: Baculoviral IAP repeat-containing 5 (BIRC5)

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 Poly6147 antibody recognizes the C-terminal region of human survivin and has been shown to be useful for Western blotting.

Modification: Phosphorylation by cdc2

Gene ID: 332

Regulation: Downregulation by p53, stabilized by phosphorylation

Distribution: Microtubules of mitotic spindle

Immunogen: Recombinant (partial), C-terminal

Isotype: Rabbit IgG

Clone: Poly6147

Structure: IAP family, BIR domain, dimer, two isoforms α and β , approximately 16.5 kD and 18.6 kD, respectively

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

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

Function: Possible role in neoplasia, expressed in embryonic tissues majority of human cancers, but not in most normal adult tissues. May counteract default induction of apoptosis in G2/M phase, inhibits caspase-3, caspase-7



Reactivity: Human

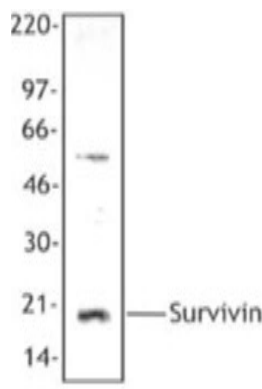
Applications: Western Blot

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

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

Application Notes: This antibody is not suitable for immunoprecipitation.

Hela cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-survivin antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



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