

## Anti-Survivin antibody

Catalog No: #AP79200



Package Size: #AP79200-1 50ug #AP79200-2 100ug #AP79200-3 1mg

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## Description

Product Name	Anti-Survivin antibody
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	Recombinant protein
Other Names	null
Accession No.	Gene name:ASuA
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole, 10% glycerol (PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.) Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Survivin, also called baculoviral inhibitor of apoptosis repeat-containing 5 or BIRC5, is a protein that, in humans, is encoded by the BIRC5 gene. Survivin is a member of the inhibitor of apoptosis (IAP) family. The survivin protein functions to inhibit caspase activation, thereby leading to negative regulation of apoptosis or programmed cell death. This has been shown by disruption of survivin induction pathways leading to increase in apoptosis and decrease in tumour growth. The survivin protein is expressed highly in most human tumours and fetal tissue, but is completely absent in terminally differentiated cells. This fact therefore makes survivin an ideal target for cancer therapy as cancer cells are targeted while normal cells are left alone. Survivin expression is also highly regulated by the cell cycle and is only expressed in the G2-M phase. It is known that survivin localizes to the mitotic spindle by interaction with tubulin during mitosis and may play a contributing role in regulating mitosis. The molecular mechanisms of survivin regulation are still not well understood, but regulation of survivin seems to be linked to the p53 protein. It also is a direct target gene of the Wnt pathway and is upregulated by beta-catenin.

## References

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Note: This product is for in vitro research use only