

SURVIVIN Polyclonal Antibody

Catalog number: 10508-1-AP

Size: 61 µg/150 µl

Source: Rabbit

Isotype: IgG

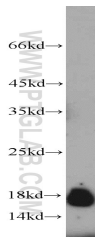
Synonyms:

BIRC5; API4, Apoptosis

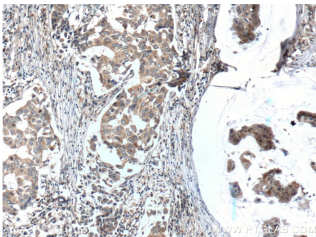
inhibitor 4, Apoptosis inhibitor

survivin, BIRC5, EPR 1, IAP4,

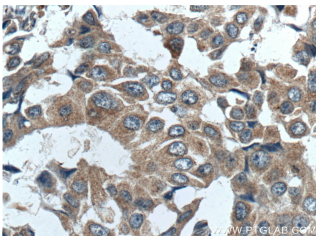
SURVIVIN



PC-3 cells were subjected to SDS PAGE followed by western blot with 10508-1-AP(SURVIVIN antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 10508-1-AP(SURVIVIN Antibody) at dilution of 1:200 (under 10x lens). heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 10508-1-AP(SURVIVIN Antibody) at dilution of 1:200 (under 40x lens). heat mediated antigen retrieved with Tris-EDTA buffer(pH9).

Background

Survivin, also called BIRC5, is a unique member of the inhibitor of apoptosis (IAP) protein family. Survivin is a 16 kDa anti-apoptotic protein highly expressed during fetal development and cancer cell malignancy, but is completely absent in terminally differentiated cells. The differential expression of survivin in cancer versus normal tissues makes it a useful tool in cancer diagnosis and a promising therapeutic target. 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. 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 also is a direct target gene of the Wnt pathway and is upregulated by beta-catenin.

Applications

Tested applications:	ELISA, WB, IF, IP, IHC
Cited applications:	WB
Species specificity:	Human, Rat; other species not tested.
Cited species:	Human, mouse
Calculated SURVIVIN MW:	16 kDa
Observed SURVIVIN MW:	16-18 kDa
Positive WB detected in	PC-3 cells, A431 cells, A549 cells, Jurkat cells, MCF7 cells
Positive IP detected in	Jurkat cells
Positive IHC detected in	Human breast cancer tissue, human colon cancer tissue, human gliomas tissue, human lung cancer tissue, human pancreas cancer tissue, rat brain tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000 IHC: 1:50-1:500 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

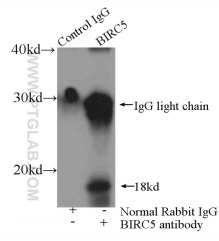
Immunogen:	Ag0788
GenBank accession number:	BC008718
Gene ID (NCBI):	332
Full name:	Baculoviral IAP repeat-containing 5

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunofluorescent analysis of HeLa cells using 10508-1-AP(SURVIVIN Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP Result of anti-SURVIVIN (IP:10508-1-AP, 4ug; Detection:10508-1-AP 1:300) with Jurkat cells lysate 2120ug.