For Research Use Only

SURVIVIN Monoclonal antibody

Catalog Number:66495-1-Ig Featured Product 9 Publications

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Basic Information

Catalog Number:
66495-1-Ig

Size:
1572 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG20958

GenBank Accession Number:
BC008718

GeneID (NCBI):
332

UNIPROT ID:
O15392

Full Name:
baculoviral IAP repeat-containing 5

Calculated MW:
16 kDa

Observed MW:
18 kDa

Purification Method:
Protein A purification

CloneNo.:
3B9H7

Recommended Dilutions:
WB 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IF

Species Specificity:
Human

Cited Species:
human, mouse, rat

Positive Controls:

WB : HEK-293 cells, Raji cells, K-562 cells, HeLa cells, A431 cells, U-937 cells, Jurkat cells

Background Information

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.

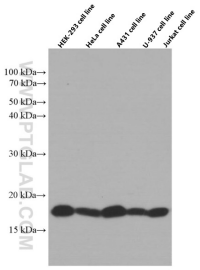
Notable Publications

Author	Pubmed ID	Journal	Application
Jiashu Yang	34737423	Exp Mol Med	WB
Fabiao Hu	35600646	Bioeng Transl Med	WB
Junquan Gu	30566604	Acta Biochim Biophys Sin (Shanghai)	WB,IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66495-1-Ig (SURVIVIN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.