

For Research Use Only

Survivin Recombinant monoclonal antibody, PBS Only

Catalog Number: 86850-1-PBS



Basic Information

Catalog Number: 86850-1-PBS	GenBank Accession Number: /	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 332	CloneNo.: 251227F7
Source: Rabbit	UNIPROT ID: O15392-1	
Isotype: IgG	Full Name: baculoviral IAP repeat-containing 5	
Immunogen Catalog Number: EG4645	Calculated MW: 16kDa	
	Observed MW: 16 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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.

Storage

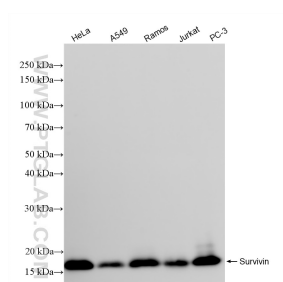
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

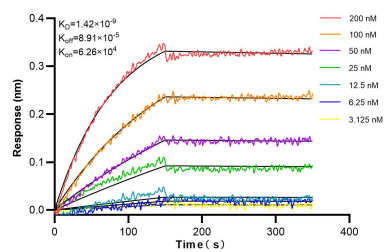
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86850-1-RR (Survivin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86850-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86850-1-RR against Human Survivin were performed. The affinity constant is 1.42 nM.