

For Research Use Only

CoraLite®488-conjugated SURVIVIN Polyclonal antibody



Catalog Number: CL488-10508

Featured Product

Basic Information

Catalog Number: CL488-10508	GenBank Accession Number: BC008718	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 332	Excitation/Emission maxima wavelengths: 488 nm/515 nm
Source: Rabbit	Full Name: baculoviral IAP repeat-containing 5	
Isotype: IgG	Calculated MW: 16 kDa	
Immunogen Catalog Number: AG0788		

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

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 -20°C. Avoid exposure to light.

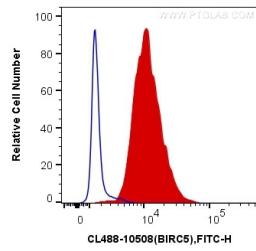
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.2 ug CoraLite®488 Anti-Human SURVIVIN (CL488-10508) (red), or 0.2 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).