bs-0615R **[Primary Antibody]**

Survivin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 332 **SWISS:** O15392

Target: Survivin

Immunogen: KLH conjugated synthetic peptide derived from human Survivin: 85-142/142.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded proteins also lack a C-terminus RING finger domain. Gene expression is high during fetal development and in most tumors, yet low in adult tissues. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2011]

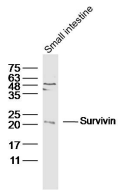
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)

Reactivity: Human, Mouse (predicted: Rat, Pig, Cow, Dog, GuineaPig, Horse)

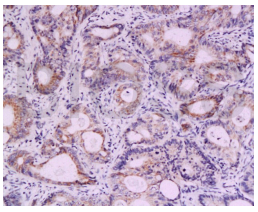
Predicted MW.: 16.5 kDa

Subcellular Location: Cytoplasm ,Nucleus

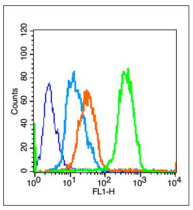
VALIDATION IMAGES



Sample: Small intestine (mouse) Lysate at 40 ug Primary: Anti- Survivin (bs-0615R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 16.5 kD Observed band size: 20 kD



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Survivin Polyclonal Antibody, Unconjugated(bs-0615R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line): U251 Primary Antibody (green line): Rabbit Anti-Survivin antibody (bs-0615R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 1μg /test. Protocol The cells were fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=9.933]** Xingyi Xu. et al. A Honeycomb-Like Bismuth/Manganese Oxide Nanoparticle with Mutual Reinforcement of Internal and External Response for Triple-Negative Breast Cancer Targeted Therapy. 2021 Jul 23 WB ;Human. 34297897

- **[IF=4.6]** Miaomiao Zhang. et al. Unlocking the Potential of Perillaldehyde: A Novel Mechanism for Chronic Myeloid Leukemia by Targeting HSP70. MOLECULES. 2025 May;30(11):2294 WB ;Human. 40509182
- **[IF=2.564]** Liu J et al. Survivin expression and localization in different organs of yaks (Bos grunniens). Gen Comp Endocrinol. 2018 Nov 1;268:80-87. WB ;yak. 30077795
- **[IF=2.558]** Shi CT et al. High Survivin and Low Zinc Finger of the Cerebellum 1 Expression Indicates Poor Prognosis in Triple-negative Breast Carcinoma. J Breast Cancer. 2019 Apr 19;22(2):248-259. IHC ;Human. 31281727
- **[IF=2.942]** Hassan Mohammed H.. et al. Circulating and local nuclear expression of survivin and fibulin-3 genes in discriminating benign from malignant respiratory diseases: correlation analysis. Bioscience Rep. 2021 Jan;41(1):BSR20203097 WB ;Human. 33226065