bs-20731R

[Primary Antibody]

Livin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 79444 **SWISS:** Q96CA5

Target: Livin

Immunogen: KLH conjugated synthetic peptide derived from human Livin: 41-100/298.

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: Livin is a novel member of the IAP protein family and contains a single baculoviral IAP repeat (BIR) domain and a RING finger domain and has two isoforms termed Livin alpha and Livin beta. The BIR domain is essential for inhibitory activity and interacts with caspases, while the RING finger domain sometimes enhances antiapoptotic activity but does not inhibit apoptosis alone. The two isoforms of Livin appear to have different functions and tissue distributions.

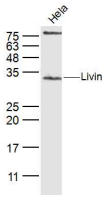
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)

Reactivity: Human, Rat (predicted: Mouse, Rabbit, Sheep, Cow)

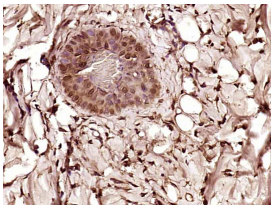
Predicted MW.: 33 kDa

Subcellular Location: Cytoplasm ,Nucleus

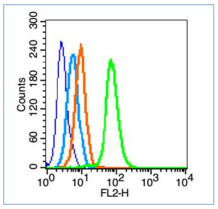
VALIDATION IMAGES



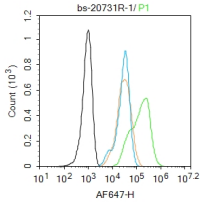
Sample: Hela(Human) Cell Lysate at 30 ug
Primary: Anti- Livin (bs-20731R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 33 kD
Observed band size: 33 kD



Paraformaldehyde-fixed, paraffin embedded (Rat skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Livin) Polyclonal Antibody, Unconjugated (bs-20731R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control (blue line): Hep G2 (fixed with 70% ethanol (Overmight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min at -20°C). Primary Antibody (green line): Rabbit Anti-Nanog antibody (bs-20731R),Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE,Dilution: 1μg /test.



Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-Livin antibody (bs-20731R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1μg /test. Protocol The cells were fixed with 4%

PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=2.817]** Qing Jin. et al. 125 I seeds irradiation inhibits tumor growth and induces apoptosis by Ki-67, P21, survivin, livin and caspase-9 expression in lung carcinoma xenografts. Radiat Oncol. 2020 Dec;15(1):1-10 IHC ;Human. 33059701