bs-4683R **[Primary Antibody]**

Caspase-8 subunit p18 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 841 **SWISS:** Q14790

Target: Caspase-8 subunit p18

Immunogen: KLH conjugated synthetic peptide derived from human Caspase-8 subunit p18: 201-300/479.

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: Caspases are cysteine proteases, expressed as inactive precursors, that mediate apoptosis by proteolysis of specific substrates. Caspases have the ability to cleave after aspartic acid residues. There are two classes of caspases involved in apoptosis; initiators (activation by receptor cluster) and effectors (activation by mitochondrial permeability transition). Proapoptotic signals autocatalytically activate initiator caspases, such as Caspase 8 and Caspase 9. Activated initiator caspases then process effector caspases, such as Caspase 3 and Caspase 7, which in turn cause cell collapse.

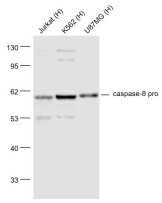
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:50-200)
Flow-Cyt (1µg /Test)

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

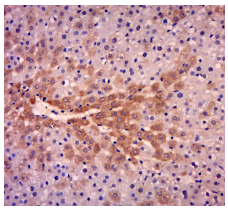
Predicted MW.: 18/55 kDa

Subcellular Location: Cytoplasm

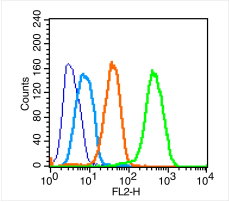
VALIDATION IMAGES



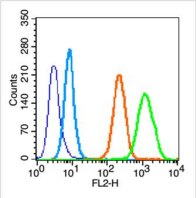
Sample: Jurkat(Human) Cell Lysate at 30 ug K562(Human) Cell Lysate at 30 ug U87MG(Human) Cell Lysate at 30 ug Primary: Anti-caspase-8 subunit p18 (bs-4683R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55/18 kD Observed band size: 57 kD



Paraformaldehyde-fixed, paraffin embedded (rat liver); 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 (Caspase-8 subunit p18) Polyclonal Antibody, Unconjugated (bs-4683R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control (blue line): U251 (fixed with 70% ethanol overnight at 4°C and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature). Primary Antibody (green line): Rabbit Anti-caspase-8 antibody (bs-4683R) Dilution: 0.2 µg /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 (blue line): Hep G2 (fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature). Primary Antibody (green

line): Rabbit Anti-caspase-8 antibody (bs-4683R),Dilution: 0.2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE,dilution: 1µg /test.