

**bs-6463R****[ Primary Antibody ]****Bioss**  
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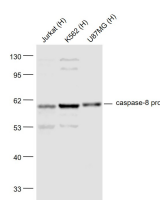
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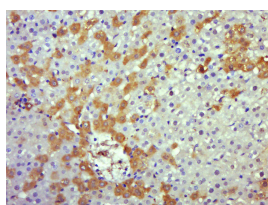
400-901-9800

**caspase-8 subunit p18 Rabbit pAb****— DATASHEET —**

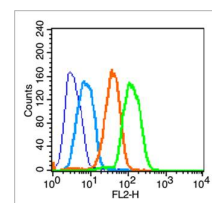
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:50-200) <b>Flow-Cyt</b> (1µg /Test)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 841	<b>SWISS:</b> Q14790	
<b>Target:</b> caspase-8 subunit p18		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human caspase-8 subunit p18: 188-280/479.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Rat (predicted: Mouse, Pig, Cow, Dog, Horse)
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 18/55 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cytoplasm
<b>Background:</b> 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.		

**— 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-6463R) at 1/1000  
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-6463R) 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 subunit p18 antibody (bs-6463R), Dilution: 1µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1µg /test.

**— SELECTED CITATIONS —**

- **[IF=5.572]** Jiayuan Luo. et al. Effects of saponins isolated from Polygonatum sibiricum on H2O2-induced oxidative damage in RIN-m5F cells and its protective effect on pancreas. FOOD CHEM TOXICOL. 2023 May;175:113724 WB,FCM ;Rat. 36935075
- **[IF=3.547]** You XG et al. Phenylephrine Induces Necroptosis and Apoptosis in Corneal Epithelial Cells Dose-and Time-Dependently. Toxicology. 2019 Oct 9;428:152305. ELISA ;Human. 31605733
- **[IF=3.07]** Meneses, Carla, et al. "The angiotensin-(1-7)/Mas axis reduces myonuclear apoptosis during recovery from

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- angiotensin II-induced skeletal muscle atrophy in mice." Pflügers Archiv-European Journal of Physiology (2014): 1-10. WB  
;="Mouse". 25292283
- **[IF=2.9]** Shan, Ming, and Ting-Jun Fan. "Cytotoxicity of carteolol to human corneal epithelial cells by inducing apoptosis via triggering the Bcl-2 family protein-mediated mitochondrial pro-apoptotic pathway." Toxicology in Vitro (2016). ELISA  
;="Human". 27216471
  - **[IF=2.72]** Sudeshna Nandi. et al. Anti-cancer effect of astrakurkurool from a folklore tribal mushroom on human hepatocellular carcinoma cells via mediating cell cycle inhibition, apoptosis, and migration. 2021 Nov 22 WB ;Human. 34811765