

bs-20613R**[Primary Antibody]****Caspase-8 subunit p10 Rabbit pAb****Bioss**
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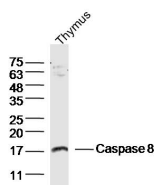
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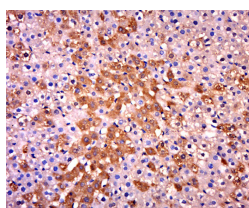
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 12370**SWISS:** O89110**Target:** Caspase-8 subunit p10**Immunogen:** KLH conjugated synthetic peptide derived from mouse Caspase-8 subunit p10: 351-420/480.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

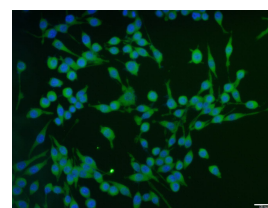
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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** (1:100-500)**Flow-Cyt** (1µg/Test)**ICC/IF** (1:100)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 12/55 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

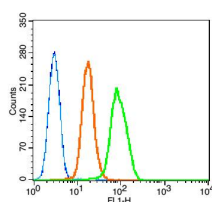
Sample: Thymus (Mouse) Lysate at 40 ug
 Primary: Anti- Caspase 8 (bs-20613R) at 1/300
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 12,55 kD Observed band size: 17 kD



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) Polyclonal Antibody, Unconjugated (bs-20613R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Raw264.7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Caspase-8 subunit p10) polyclonal Antibody, Unconjugated (bs-20613R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: K562 (fixed with 80% methanol (5 min) and then permeabilized with 0.01M PBS-Tween for 20 min). Primary Antibody: Rabbit Anti-caspase-8 antibody

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

(bs-20613R,Green); Dilution: 1µg in 100 µL 1X
PBS containing 0.5% BSA; Isotype Control
Antibody: Rabbit IgG(orange) ,used under the
same conditions; Secondary Antibody: Goat
anti-rabbit IgG-FITC(white blue), Dilution: 1:200
in 1 X PBS containing 0.5% BSA.

— SELECTED CITATIONS —

- **[IF=7.129]** Furui Han. et al. In vivo and in vitro study on hepatotoxicity of Tris-(2, 3-dibromopropyl) isocyanurate exposure via mitochondrial and death receptor pathway. ECOTOX ENVIRON SAFE. 2022 Nov;246:114186 WB ;Rat, Human. 36244175
- **[IF=4.734]** Liu F et al. Anticancer targets and mechanisms of calycosin to treat nasopharyngeal carcinoma. Biofactors. 2020 Jul;46(4):675-684. IF ;Human/Mouse. 32449282