

bs-0013R**[Primary Antibody]****BioSS**
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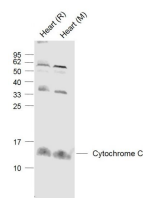
400-901-9800

Cytochrome C Rabbit pAb

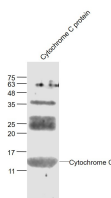
— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 54205 Target: Cytochrome C Immunogen: KLH conjugated synthetic peptide derived from human Cytochrome C: 51-105/105. 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: Cytochrome C is an electron transporting protein that resides within the intermembrane space of the mitochondria, where it plays a critical role in the process of oxidative phosphorylation and production of cellular ATP. An increasing amount of interest has been directed toward the role which cytochrome C has been demonstrated to play in apoptotic processes. Following exposure to apoptotic stimuli, cytochrome C is rapidly released from the mitochondria into the cytosol, an event which may be required for the completion of apoptosis in some systems. Cytosolic cytochrome C functions in the activation of caspase 3, an ICE family molecule that is a key effector of apoptosis.	Isotype: IgG SWISS: P99999	Applications: WB (1:500-2000) Reactivity: Mouse, Rat (predicted: Pig, Cow, Horse) Predicted MW.: 12 kDa Subcellular Location: Mitochondrion
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— VALIDATION IMAGES —



Sample: Lane 1: Heart (Rat) Lysate at 40 ug Lane
2: Heart (Mouse) Lysate at 40 ug Primary: Anti-
Cytochrome C (bs-0013R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 14.4 kD
Observed band size: 14.4 kD



Sample: Cytochrome C protein at 30 ug Primary:
Anti- Cytochrome C (bs-0013R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 14 kD
Observed band size: 14 kD

— SELECTED CITATIONS —

- **[IF=12.8]** Lin Jialiang. et al. Involvement of DJ-1 in the pathogenesis of intervertebral disc degeneration via hexokinase 2-mediated mitophagy. EXP MOL MED. 2024 Mar;56(3):747-759 WB ;Rat. 38531963
- **[IF=10.383]** Wenyu Guo. et al. Ultrasound-Mediated Antitumor Therapy via Targeted Acoustic Release Carrier of Carbon Monoxide (TARC-CO). ACS APPL MATER INTER. 2022;XXXX(XXX):XXX-XXX IF ;Mouse. 36322480
- **[IF=9.429]** Li, Guang. et al. Synergetic delivery of artesunate and isosorbide 5-mononitrate with reduction-sensitive polymer nanoparticles for ovarian cancer chemotherapy. J NANOBIOECHANOL. 2022 Dec;20(1):1-13 WB ;Human. 36335352
- **[IF=7.129]** Furui Han. et al. In vivo and in vitro study on hepatotoxicity of Tris-(2, 3-dibromopropyl) isocyanurate

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exposure via mitochondrial and death receptor pathway. ECOTOX ENVIRON SAFE. 2022 Nov;246:114186 WB ;Rat, Human. 36244175

- **[IF=6.525]** Til Bahadur Thapa Magar. et al. Novel Chlorin e6-Curcumin Derivatives as a Potential Photosensitizer: Synthesis, Characterization, and Anticancer Activity. PHARMACEUTICS. 2023 Jun;15(6):1577 WB ;Human. 10.3390/pharmaceutics15061577