

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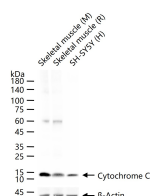
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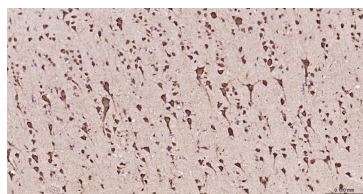
400-901-9800

**Cytochrome C Rabbit pAb****— DATASHEET —**

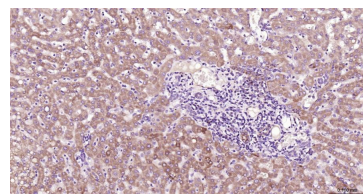
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 54205	<b>SWISS:</b> P99999	<b>IHC-F</b> (1:100-500)
<b>Target:</b> Cytochrome C		<b>IF</b> (1:100-500)
		<b>ICC/IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Cytochrome C: 51-105/105.		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Cow, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<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>Predicted MW.:</b> 12 kDa
<b>Background:</b> 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.		<b>Subcellular Location:</b> Mitochondrion

**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with Cytochrome C polyclonal antibody, unconjugated (bs-0013R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cytochrome C Polyclonal Antibody, Unconjugated (bs-0013R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cytochrome C Polyclonal Antibody, Unconjugated (bs-0013R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

**— 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

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

- **[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=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