

bs-0013R**[Primary Antibody]****BioSS**
ANTIBODIES

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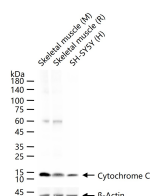
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techsupport@bioss.com.cn

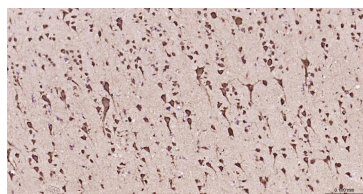
400-901-9800

Cytochrome C Rabbit pAb**DATASHEET**

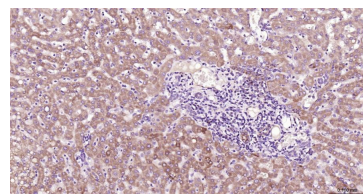
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 54205	SWISS: P99999	IHC-F (1:100-500)
Target: Cytochrome C		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human Cytochrome C: 51-105/105.		Reactivity: Human, Mouse, Rat
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 12 kDa
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.		Observed MW.: 12 kDa
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.		Subcellular Location: 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=20.3]** Guoyun Wan. et al. Light-cured millineedle platform delivers “nano-pomegranate” for combinatorial electrodynamic therapy and cuproptosis against oral carcinoma. BIOACT MATER. 2025 Nov;53:718 IF ;Mouse. 40801019
- **[IF=19]** Zhongming Huang. et al. Dual-Functional Sonodynamic Therapeutic Platform for Complete Osteosarcoma Elimination With Synchronized Bone Defect Regeneration. ADV FUNCT MATER. 2026 Feb;;e31043 IF ;Human. 10.1002/adfm.202531043
- **[IF=12.8]** Lin Jiali. 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

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

- **[IF=12.6]** Han Xiaofei. et al. Orally ingested nanosilica causes liver-specific accumulation and induces liver senescence and fibrosis via the microbiota-gut-liver axis. J NANOBIOTECHNOL. 2025 Dec;23(1):1-20 WB ;Mouse. 41074142
- **[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