

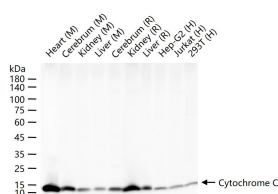
bsm-52050R**[Primary Antibody]****Bioss**
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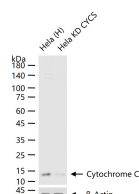
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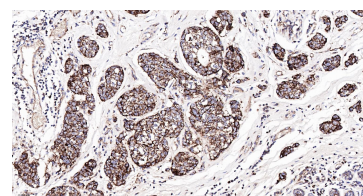
400-901-9800

Cytochrome C Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Clonality:** Recombinant**GeneID:** 54205**Target:** Cytochrome C**Immunogen:** A synthesized peptide derived from human Cytochrome C: 15-78.**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**CloneNo.:** 1F10**SWISS:** P99999**Applications:** WB (1:1000-5000)**IHC-P** (1:200-500)**IHC-F** (1:200-500)**IF** (1:200-500)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 12 kDa**Observed MW.:** 12 kDa**Subcellular Location:** Mitochondrion**VALIDATION IMAGES**

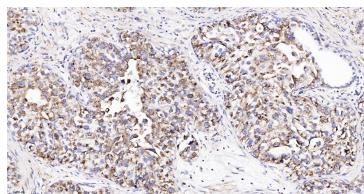
25 ug total protein per lane of various lysates (see on figure) probed with Cytochrome C monoclonal antibody, unconjugated (bsm-52050R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cytochrome C Monoclonal Antibody, Unconjugated (bsm-52050R) 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 Prostate Tumor; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cytochrome C Monoclonal Antibody, Unconjugated (bsm-52050R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-

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

— SELECTED CITATIONS —

- **[IF=4.7]** Jianxu Xiao. et al. Taurine alleviates oxidative stress, inflammation, and mitochondrial apoptosis in lipopolysaccharide-induced bovine endometrial epithelial cells by activating Nrf2/HO-1 and inhibiting TLR4-MAPK/NF-κB and Caspase-3 pathways. EUR J PHARMACOL. 2025 Jul;;177986 WB ;Bovine. 40706972
- **[IF=2.7]** Jianxu Xiao. et al. Taurine Alleviates Inflammation, Oxidative Stress, Apoptosis, and Uterus Microbiota Dysregulation of Endometritis by Inhibiting PI3K-AKT/MAPK/NF-κB Pathways in Mice. ANIMALS. 2025 Dec;15(24):3619 WB ;Mouse. 41463904