bsm-52050R

[Primary Antibody]

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Cytochrome C Recombinant Rabbit mAb

DATASHEET -

Host: Rabbit Isotype: IgG Clonality: Recombinant CloneNo.: 1F10 GeneID: 54205 **SWISS:** P99999

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%

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

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 cytocrome 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.

Applications: WB (1:1000-5000)

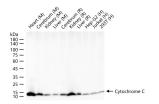
IHC-P (1:100-500) IHC-F (1:100-500) **IF** (1:100-500) ICC/IF (1:50-200)

Reactivity: Human, Mouse, Rat

Predicted MW.:

Subcellular **Location:** Mitochondrion

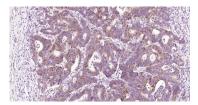
VALIDATION IMAGES



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.

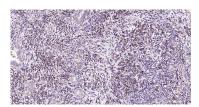


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Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytochrome C Monoclonal Antibody.

Unconjugated(bsm-52050R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cervical Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytochrome C

Unconjugated(bsm-52050R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit

- 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