
COX4I1 Recombinant Rabbit mAb

Catalog Number: bsm-60712R

Target Protein: COX4I1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500)

Reactivity: (predicted:Human,Mouse,Rat)

Predicted MW: 17 kDa

Isotype: IgG

Entrez Gene: 1327

Swiss Prot: P13073

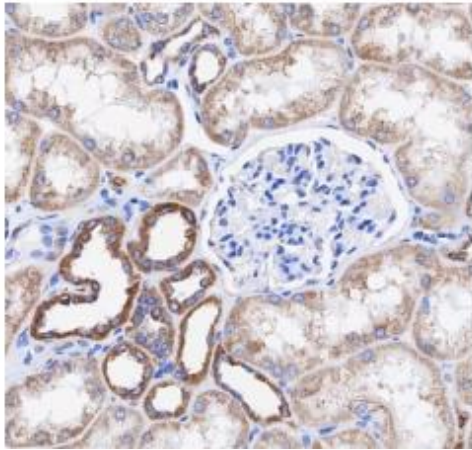
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

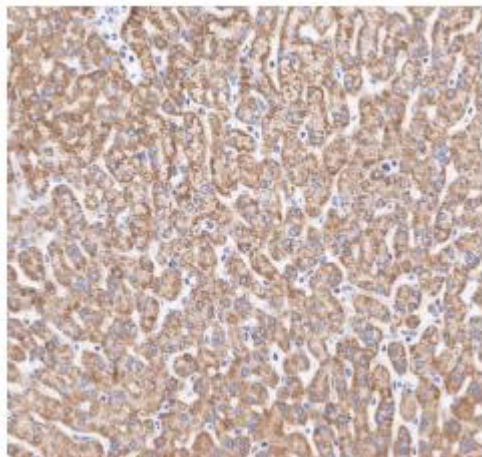
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. [provided by RefSeq, Jul 2008]

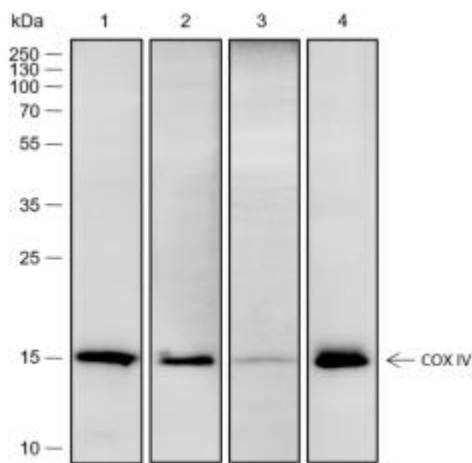
VALIDATION IMAGES



Tissue: Human Kidney
 Section type: Formalin-fixed & Paraffin embedded section
 Retrieval method: High temperature and high pressure
 Retrieval buffer: Tris/EDTA buffer, pH 9.0
 Primary Ab dilution: 1:500
 Primary Ab incubation condition: 1 hour at room temperature
 Secondary Ab: Anti-Rabbit and Mouse
 Polymer HRP (Ready to use)
 Counter stain: Hematoxylin (Blue)
 Comment: Color brown is the positive signal for bsm-60712R



Tissue: Human liver
 Section type: Formalin-fixed & Paraffin embedded section
 Retrieval method: High temperature and high pressure
 Retrieval buffer: Tris/EDTA buffer, pH 9.0
 Primary Ab dilution: 1:500
 Primary Ab incubation condition: 1 hour at room temperature
 Secondary Ab: Anti-Rabbit and Mouse
 Polymer HRP (Ready to use)
 Counter stain: Hematoxylin (Blue)
 Comment: Color brown is the positive signal for bsm-60712R



Blocking buffer: 5% NFDM/TBST
 Primary Ab dilution: 1:2000
 Primary Ab incubation condition: 2 hours at room temperature
 Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP)
 Lysate: 1: Jurkat, 2: MEF, 3: C6, 4: Mouse heart
 Protein loading quantity: 20 µg
 Exposure time: 60 s
 Predicted MW: 20 kDa
 Observed MW: 15 kDa

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.7] GuangDuo Zhu. et al. PLAGL2 induces nucleus pulposus cell apoptosis via regulating RASSF5 expression and thus accelerates intervertebral disc degeneration. EXP CELL RES. 2023 Sep;430:113699 WB ; Mouse . 37364764

[IF=3] Yujin Gao. et al. Melatonin Alleviates Lipopolysaccharide-Induced Endometritis by Inhibiting the Activation of NLRP3 Inflammasome through Autophagy. ANIMALS. 2023 Jan;13(15):2449 WB ; Bovine . 37570258