

## COX IV (6C8) Mouse mAb

CatalogNo: YM3033 **Orthogonal Validated** 

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF

#### MW

- 15kD (Observed)

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** PBS, pH 7.4, containing 0.5% BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

### Recommended Dilution Ratios

WB 1:1000-3000

IF 1:200

IHC 1:50-300

### Basic Information

**Clonality** Monoclonal

**Clone Number** 6C8

### Immunogen Information

**Immunogen** Recombinant Protein of Cytochrome c oxidase subunit 4 isoform 1, mitochondrial

**Specificity** The antibody detects endogenous COX IV protein.

## Target Information

**Gene name** COX4I1

**Protein Name** Cytochrome c oxidase subunit 4 isoform 1, mitochondrial

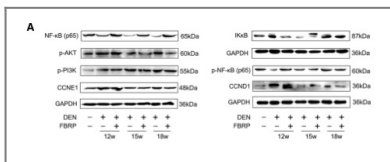
Organism	Gene ID	UniProt ID
Human	<a href="#">1327;</a>	<a href="#">P13073;</a>
Mouse	<a href="#">12857;</a>	<a href="#">P19783;</a>
Rat	<a href="#">29445;</a>	<a href="#">P10888;</a>

**Cellular Localization** Mitochondrion inner membrane ; Single-pass membrane protein .

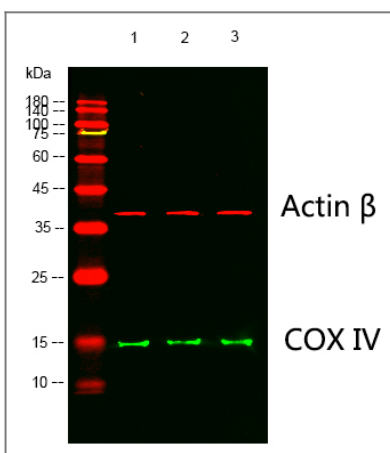
**Tissue specificity** Ubiquitous.

**Function** Function:This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.,similarity:Belongs to the cytochrome c oxidase IV family.,tissue specificity:Ubiquitous.,

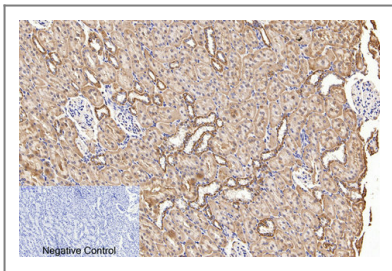
## Validation Data



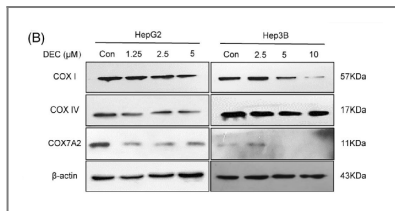
Zhang, Yanqiong, et al. "A discovery of clinically approved formula FBRP for repositioning to treat HCC by inhibiting PI3K/AKT/NF-κB activation." *Molecular Therapy-Nucleic Acids*19 (2020): 890-904.



Western blot analysis of lysates from 1) COS7,2) 3T3,3) HeLa cells, (Green) primary antibody was diluted at 1:1000, 4° over night, Dylight 800 secondary antibody(Immunoway:RS23910)was diluted at 1:10000, 37° 1hour. (Red) Actin β Polyclonal Antibody (Immunoway:YT0099) antibody was diluted at 1:5000 as loading control, 4° over night,Dylight 680 secondary antibody(Immunoway:RS23720)was diluted at 1:10000, 37° 1hour.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue.  
 1,COX IV Monoclonal Antibody(6C8) was diluted at 1:200(4°C,overnight). 2,  
 Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min).  
 3,Secondary antibody was diluted at 1:200(room teMpeRature, 30min).  
 Negative control was used by secondary antibody only.



The nature compound dehydrocrenatidine exerts potent antihepatocellular carcinoma by destroying mitochondrial complexes in vitro and in vivo 2022 Feb 02. WB Human

## Contact information

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Please scan the QR code to access additional product information:  
**COX IV (6C8) Mouse mAb**

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