

## 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)

### Recommended Dilution Ratios

**WB 1:1000-3000****IF 1:200****IHC 1:50-300**

### 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.

### 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

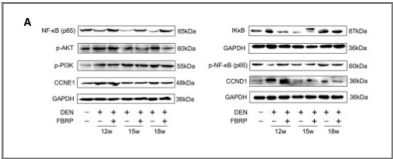
Organism	Gene ID	UniProt ID
Human	<a href="#">1327</a> ;	<a href="#">P13073</a> ;
Mouse	<a href="#">12857</a> ;	<a href="#">P19783</a> ;
Rat	<a href="#">29445</a> ;	<a href="#">P10888</a> ;

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

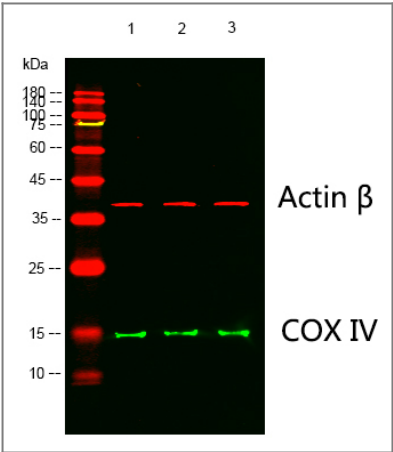
Tissue specificity Ubiquitous.

Function: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.,

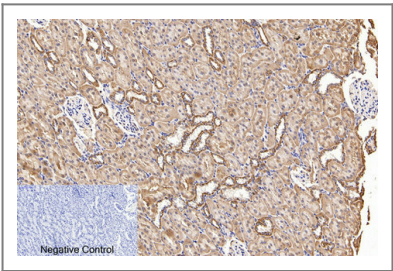
Validation Data



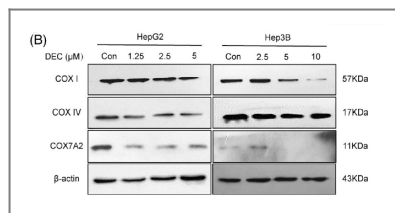
Zhang, Yanqiong, et al. "A discovery of clinically approved formula FBRP for repositioning to treat HCC by inhibiting PI3K/AKT/NF-κB activation." Molecular Therapy-Nucleic Acids19 (2020): 890-904.



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

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
 Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
 Telephone: 877-594-3616 (Toll Free), 408-747-0185  
 Website: <http://www.immunoway.com>  
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)