COX IV Mouse mAb (AM10006)

Key Features

Host Species:	Mouse
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,IHC
Isotype:	IgG2b,kappa
MW:	20kD (Calculated) 17kD (Observed)

Recommended Dilution Ratios

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

Storage

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

Basic Information

Clonality	Monoclonal

Immunogen Information

Specificity	Endogenous

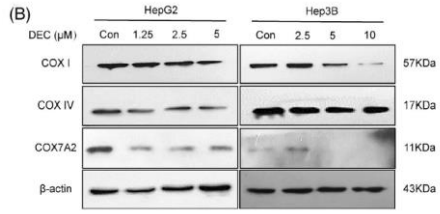
Target Information

Gene name	COX4I1
Protein Name	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial

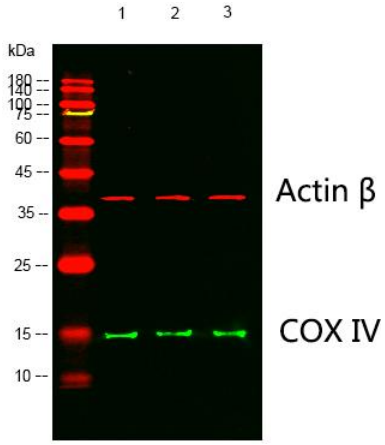
Organism	Gene ID	UniProt ID
Human	1327	P13073
Mouse	12857	P19783
Rat	29445	P10888

Cellular Localization	Mitochondrion inner membrane; Single-pass membrane protein.
Tissue specificity	Ubiquitous.

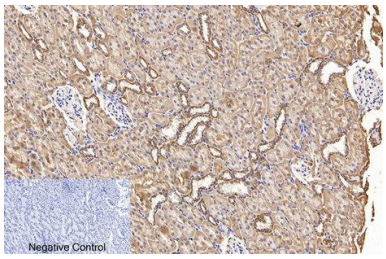
Validation Data



The nature compound dehydrocrenatidine exerts potent antihepatocellular carcinoma by destroying mitochondrial complexes in vitro and in vivo WB human.



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



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue.

1. COX IV Monoclonal Antibody 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.

For Research Use Only