

## COX IV Rabbit monoclonal antibody

Catalog: BS40064

Host: Rabbit

Reactivity: Human Mouse Rat

### BackGround:

Cytochrome c oxidase (COX) is a hetero-oligomeric enzyme consisting of 13 subunits localized to the inner mitochondrial membrane (1-3). It is the terminal enzyme complex in the respiratory chain, catalyzing the reduction of molecular oxygen to water coupled to the translocation of protons across the mitochondrial inner membrane to drive ATP synthesis.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

17kDa

### Swiss-Prot:

P13073

### Purification&Purity:

Affinity-chromatography

### Applications:

WB: 1:2000~1:5000

IHC: 1:50~1:200

IF: 1:100~1:500

IP: 1:50~1:200

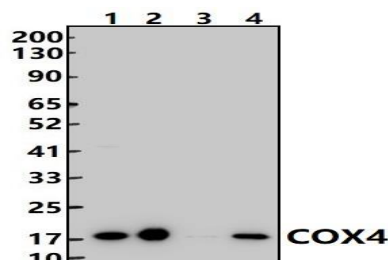
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

COX IV Rabbit monoclonal antibody detects endogenous levels of COX IV protein.

### DATA:



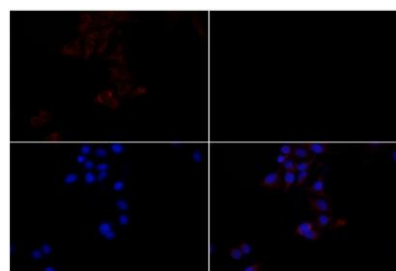
Western blot (WB) analysis of COX IV Rabbit monoclonal antibody at 1:2000 dilution

Lane1:MCF-7 whole cell lysate(30ug)

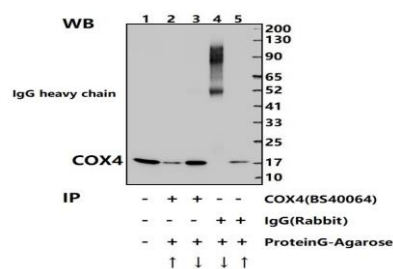
Lane2:A549 whole cell lysate(30ug)

Lane3:The Liver tissue lysate of Mouse(30ug)

Lane4:The Kidney tissue lysate of Rat(30ug)



Immunofluorescence analysis of MCF-7 cells using COX IV Rabbit monoclonal antibody at dilution of 1:50 (40x lens).



Immunoprecipitation of MCF-7 cell lysates using COX IV Rabbit mAb (Sepharose Bead Conjugate)#BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane 4 and lane 5). Lane 1 is 30% input. The western blot was probed using COX IV Rabbit mAb.

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

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