COX4 (5B9) monoclonal antibody

Catalog: BCP00558 Host: Mouse Reactivity: Human,Mouse,Rat

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.

Product:

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

Molecular Weight:

~ 20 kDa

Swiss-Prot:

P13073

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:2000

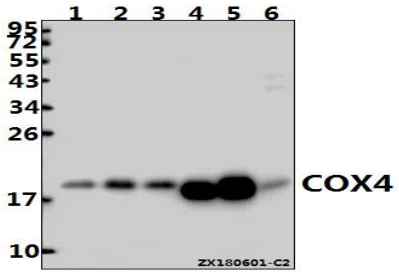
Storage&Stability:

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

Specificity:

COX4 (5B9) monoclonal antibody detects endogenous levels of COX4 and does not cross-react with related proteins.

DATA:



Western blot (WB) analysis of COX4 (5B9) mAb at 1:2000 dilution

Lane1:SGC7901 whole cell lysate(20ug)

Lane2:HCT116 whole cell lysate(20ug)

Lane3:Panc1 whole cell lysate(20ug)

Lane4:The Heart tissue lysate of Mouse(20ug)

Lane5:The Heart tissue lysate of Rat(20ug)

Lane6:H9C2 whole cell lysate(40ug)

Note:

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

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.