

COX4 (5B9) monoclonal antibody

Catalog: MB8007

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:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

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

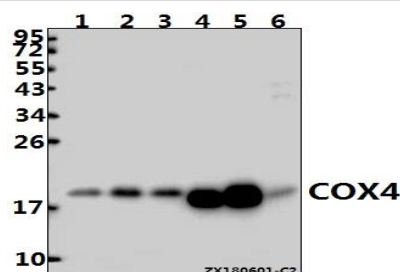
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C 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.

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