



PRODUCT DATA SHEET

Bioworld Technology, Inc.

COX20 polyclonal antibody

Catalog: BS34590

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Cytochrome c oxidase assembly protein COX20, mitochondrial: Essential for the assembly of the mitochondrial respiratory chain complex IV (CIV), also known as cytochrome c oxidase. Acts as a chaperone in the early steps of cytochrome c oxidase subunit II (MT-CO2/COX2) maturation, stabilizing the newly synthesized protein and presenting it to metallochaperones SCO1/2 which in turn facilitates the incorporation of the mature MT-CO2/COX2 into the assembling CIV holoenzyme

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~23.8 kDa

Swiss-Prot:

Q5RI15

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of COX20 protein

DATA:

Western blot analysis of IDH1 expression in HepG2 (A), NIH/3T3 (B), C2C12 (C), COS7 (D), SW480 (E) whole cell lysates.

Immunofluorescent analysis of IDH1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Flow cytometric analysis of HeLa cells using Anti-IDH1 Antibody (green) and negative control (red).

Note:

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

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