

COXI polyclonal antibody

Catalog: BS1636

Host: Rabbit

Reactivity: Mouse, Rat

BackGround:

Cytochrome c oxidase subunit I, COX1 (also designated COI, MTCO1 or oxidative phosphorylation (OxPhos) Complex IV, subunit I) is one of three mitochondrial DNA (mtDNA) encoded subunits (MTCO1-3) of respiratory Complex IV. Cytochrome c oxidase is a hetero-oligomeric enzyme composed of 13 subunits localized to the mitochondrial inner membrane and is the terminal enzyme complex of the electron transport chain. Complex IV catalyzes the reduction of molecular oxygen to water. The energy released is used to transport protons across the mitochondrial inner membrane. The resulting electro-chemical gradient is necessary for the synthesis of ATP. Complex IV contains 13 polypeptides; COX1, COX2 and COX3 (MTCO1-3) make up the catalytic core and are encoded by mtDNA while subunits IV, Va, Vb, VIa, VIb, VIc, VIIa, VIIb, VIIc and VIII are nuclear-encoded.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 57 kDa

Swiss-Prot:

Q9MD68

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

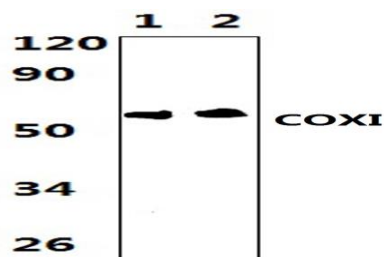
Storage&Stability:

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

Specificity:

COXI polyclonal antibody detects endogenous levels of COXI protein.

DATA:



Western blot (WB) analysis of COXI polyclonal antibody at 1:1000 dilution

Lane1: The muscle tissue lysate of Mouse (33µg)

Lane2: The muscle tissue lysate of Rat (47µg)

Note:

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

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