

Cox-4 (A37) polyclonal antibody

Catalog: BS2186

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cytochrome c oxidase (COX) functions as the terminal oxidase of the respiratory chain that uses cytochrome c as an electron donor to drive a proton gradient across the inner mitochondrial membrane. The mammalian COX apoenzyme is a heteromer consisting of three mitochondrial encoded catalytic subunits and several nuclear gene encoded structural subunits. COX contains two iron-coordination sites and two copper-coordination sites. Cytochrome c oxidase IV (COX4) is a nuclear-encoded subunit of COX that may play a role in regulating COX activity. COX4 is expressed ubiquitously in adult human tissue with the strongest levels of expression in the pancreas and moderate expression levels in heart, skeletal muscle and placenta.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 20 kDa

Swiss-Prot:

P13073

Purification&Purity:

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

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

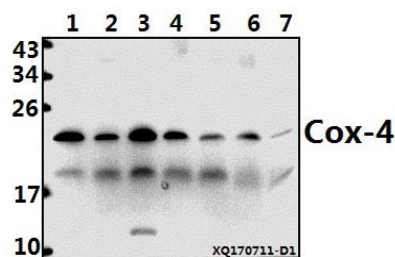
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Cox-4 (A37) polyclonal antibody detects endogenous

levels of Cox-4 protein

DATA:



Western blot (WB) analysis of Cox-4 (A37) polyclonal antibody at 1:500 dilution

Lane1:K562 whole cell lysate(40ug)

Lane2:HepG2 whole cell lysate(40ug)

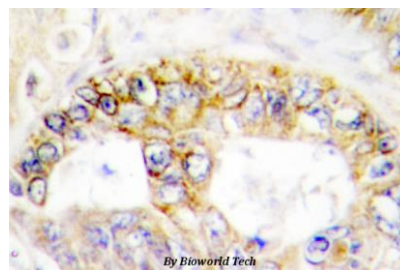
Lane3:HEK293T whole cell lysate(40ug)

Lane4:LO2 whole cell lysate(40ug)

Lane5:A549 whole cell lysate(40ug)

Lane6:C6 whole cell lysate(40ug)

Lane7:AML-12 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Cox-4 (A37) pAb in paraffin-embedded human colon carcinoma tissue.

Note:

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

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