Anti-COX IV Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013831

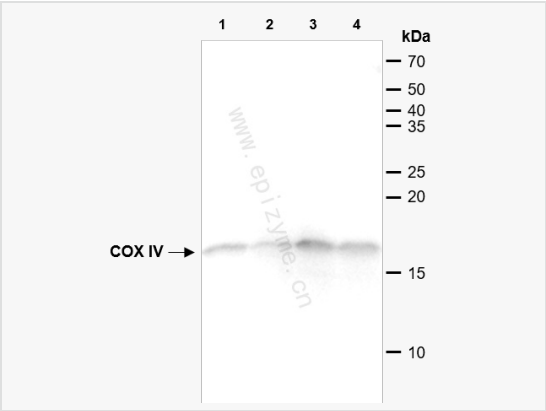
Product Information

Application	ELISA, WB
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	91K78M61
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human COX IV
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-COX IV Rabbit mAb [91K78M61] is for research use only and not for use in diagnostic or therapeutic procedures.

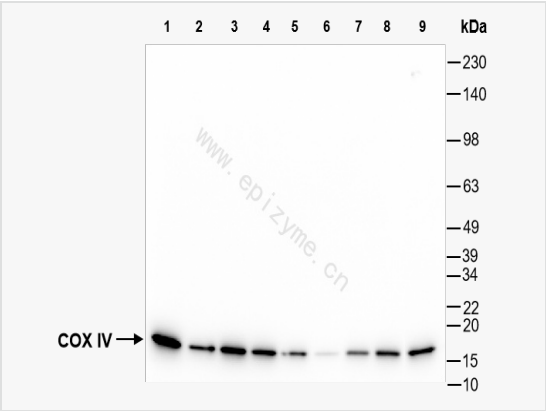
Protein Information

Synonyms	AL024441, COX 4, COX IV 1, COX IV, COX IV-1, Cox4, COX41_HUMAN, Cox4a, COX4B, COX4I1, COX4I2, COX4L2, COXIV, Cytochrome c oxidase polypeptide IV, Cytochrome c oxidase subunit 4 isoform 1 mitochondrial, Cytochrome c oxidase subunit 4 isoform 1, mitochondrial, Cytochrome C Oxidase subunit IV, Cytochrome c oxidase subunit IV isoform 1, Cytochrome c oxidase subunit IV isoform 2 (lung), Cytochrome c oxydase subunit 4, dJ857M17.2, MGC105470, MGC72016.
Calculated MW	Calculated MW: 17 kDa; Observed MW: 17 kDa
Uniprot ID	P13073
Gene ID	1327
Background	Cytochrome c oxidase (COX) is a hetero-oligomeric enzyme consisting of 13 subunits localized to the inner mitochondrial membrane (1-3). It is the terminal enzyme complex in the respiratory chain, catalyzing the reduction of molecular oxygen to water coupled to the translocation of protons across the mitochondrial inner membrane to drive ATP synthesis.
Cellular Location	Mitochondrion inner membrane.
Tissue Location	Ubiquitous.

Validation Images



Western Blot - Anti-COX IV Rabbit mAb [91K78M61]
All lanes: R013831 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 17 kDa
Observed band size: 17 kDa
Developed using the ECL technique (Cat. No. SQ201).



Western Blot - Anti-COX IV Rabbit mAb [91K78M61]
All lanes: R013831 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 7: 293T(Human embryonic kidney cell) whole cell lysates
Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 9: Rat heart whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 17 kDa
Observed band size: 17 kDa
Developed using the ECL technique (Cat. No. SQ201).