

Product datasheet for **AM06506SU-N**

COX4 (COX4I1) Mouse Monoclonal Antibody [Clone ID: 6B3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6B3
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. Flow Cytometry: 1/200 - 1/400.
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human COX4I1 expressed in E. Coli.
Specificity:	Recognizes COX IV isoform 1
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	19 kDa
Gene Name:	cytochrome c oxidase subunit 4I1
Database Link:	Entrez Gene 1327 Human P13073



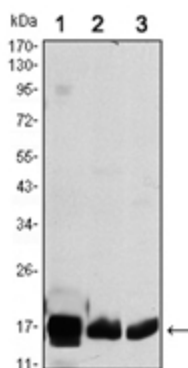
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Background:

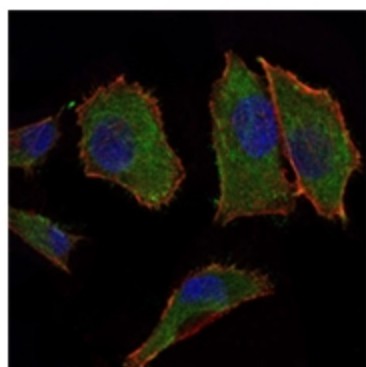
Cytochrome c oxidase (COX) functions as the terminal oxidase of the respiratory chain that uses cytochrome c as an electron donor to drive a proton gradient across the inner mitochondrial membrane. The mammalian COX apoenzyme is a heteromer consisting of three mitochondrial encoded catalytic subunits 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.

Synonyms:

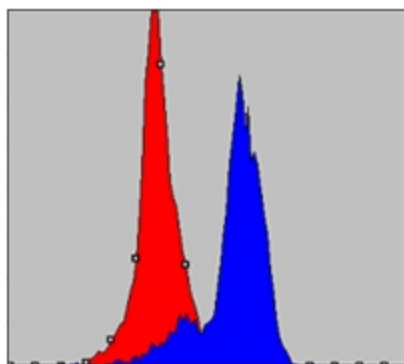
Cytochrome c oxidase polypeptide IV, COX IV-1, COX4I1, COX4

Product images:

Western blot analysis using COX4I1 antibody Cat.-No AM06506SU-N against HEK293 (1), A549 (2) and PC12 (3) cell lysate.



Immunofluorescence analysis of PANC-1 cells using COX4I1 antibody Cat.-No AM06506SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of K562 cells using COX4I1 antibody Cat.-No AM06506SU-N (blue) and negative control (red).