

COX17 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51111

Product Information

Application	WB, IP, ICC, IHC-P
Primary Accession	Q14061
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	6915

Additional Information

Gene ID	10063
Other Names	Cytochrome c oxidase copper chaperone, COX17
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human COX17. The exact sequence is proprietary.
Dilution	WB~~1:1000 IP~~N/A ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	COX17
Function	Copper metallochaperone involved in the assembly of cytochrome c oxidase (respiratory chain complex IV, CIV) (PubMed: 15229189 , PubMed: 19393246 , PubMed: 31903891 , PubMed: 35750769). Binds two copper ions and delivers them to metallochaperones SCO1 and SCO2, which co-chaperone the copper ions to the Cu(A) site on the cytochrome c oxidase subunit II (MT-CO2/COX2), and to metallochaperone COX11 which relays the copper to the Cu(B) site on the cytochrome c oxidase subunit I (MT-CO1/COX1) (PubMed: 15229189 , PubMed: 19393246 , PubMed: 35750769).
Cellular Location	Mitochondrion intermembrane space. Cytoplasm
Tissue Location	Ubiquitous..

Background

Copper chaperone for cytochrome c oxidase (COX). Binds two copper ions and deliver them to the Cu(A) site of COX (By similarity).

References

Amaravadi R.,et al.Hum. Genet. 99:329-333(1997).
Punter F.A.,et al.Hum. Genet. 107:69-74(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

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