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COX17 Polyclonal Antibody

Catalog # AP69254

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q14061
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	6915

Additional Information

Gene ID	10063
Other Names	COX17; Cytochrome c oxidase copper chaperone
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

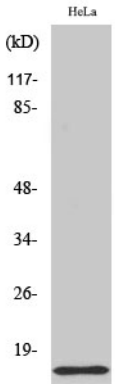
Name	COX17
Function	Copper metallochaperone involved in the assembly of cytochrome c oxidase (respiratory chain complex IV, CIV) (PubMed:15229189, PubMed:19393246, PubMed:31903891, PubMed:35750769). Binds two copper ions and delivers them to metallochaperones SCO1 and SCO2, which co-chaperone the copper 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 metallochaperone essential for the assembly of the mitochondrial respiratory chain complex IV

(CIV), also known as cytochrome c oxidase. Binds two copper ions and delivers them to the metallochaperone SCO1 which transports the copper ions to the Cu(A) site on the cytochrome c oxidase subunit II (MT- CO2/COX2).

Images



Western Blot analysis of various cells using COX17 Polyclonal Antibody