Product Name: COX17 Rabbit Polyclonal Antibody
Catalog #: APRab09269
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
Molecular Weight	7kDa

Antigen Information

Gene Name	COX17
Alternative Names	COX17; Cytochrome c oxidase copper chaperone
Gene ID	10063.0
SwissProt ID	Q14061
Immunogen	The antiserum was produced against synthesized peptide derived from human COX17. AA range:1-50

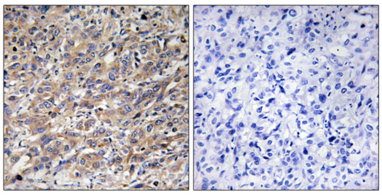
Background

Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes a protein which is not a structural subunit, but may be involved in the recruitment of copper to mitochondria for incorporation into the COX apoenzyme. This protein shares 92% amino acid sequence identity with mouse and rat Cox17 proteins. This gene is no longer considered to be a candidate gene for COX deficiency. A pseudogene COX17P has been found on chromosome 13. [provifunction:Copper chaperone for cytochrome c oxidase (COX). Binds two copper ions and deliver them to the Cu(A) site of COX.,similarity:Belongs to the COX17 family.,tissue specificity:Ubiquitous.,

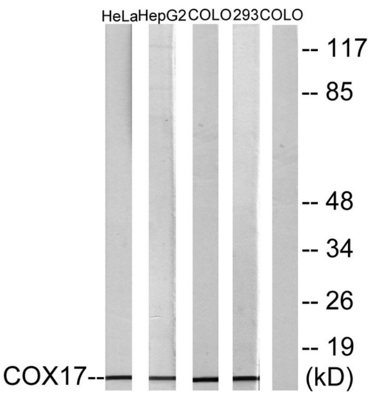
Research Area

Oxidative phosphorylation;

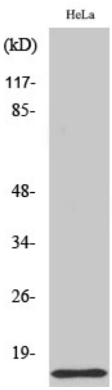
Image Data



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using COX17 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa, HepG2, COLO, and 293 cells, using COX17 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using COX17 Polyclonal Antibody