

产品名称: COX17 Rabbit Polyclonal Antibody
产品货号: APRab09269



产品概述 (Summary)

产品名称 (Production Name)	COX17 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	7kDa

研究背景 (Background)

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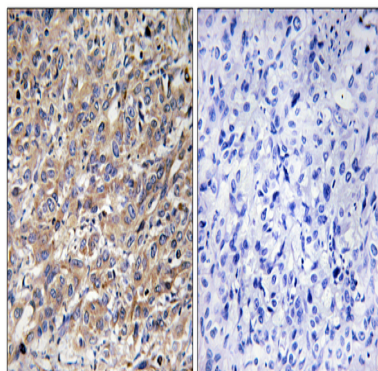


Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded 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. [provisional function: 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.,

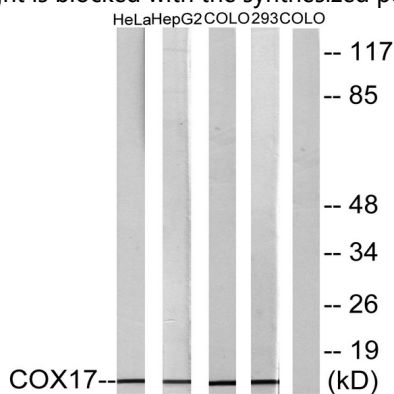
研究领域 (Research Area)

Oxidative phosphorylation;

图片 (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.

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Western Blot analysis of various cells using COX17 Polyclonal Antibody

注意事项 (Note)

For research use only .