

产品名称: COX11 Rabbit Polyclonal Antibody
产品货号: APRab09266



产品概述 (Summary)

产品名称 (Production Name)	COX11 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

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)	COX11
别名 (Alternative Names)	COX11; Cytochrome c oxidase assembly protein COX11; mitochondrial
基因 ID (Gene ID)	1353.0
蛋白 ID (SwissProt ID)	Q9Y6N1.The antiserum was produced against synthesized peptide derived from human COX11. AA range:51-100

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)	31kDa

研究背景 (Background)

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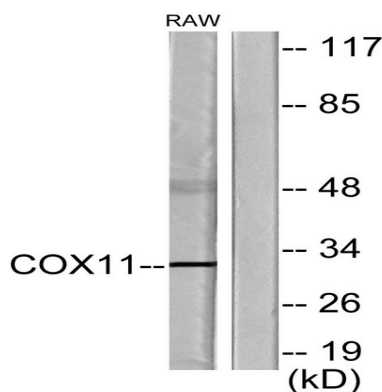


Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded 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 a heme A biosynthetic enzyme involved in COX formation, according to the yeast mutant studies. However, the studies in *Rhodobacter sphaeroides* suggest that this gene is not required for heme A biosynthesis, but required for stable formation of the Cu(B) and magnesium centers of COX. This human protein is predicted to function: Exerts its effect at some terminal stage of cytochrome c oxidase synthesis, probably by being involved in the insertion of the copper B into subunit I., similarity: Belongs to the COX11/ctaG family., subunit: Interacts with CNNM4/ACDP4., tissue specificity: Ubiquitous.,

研究领域 (Research Area)

Oxidative phosphorylation;

图片 (Image Data)



Western blot analysis of lysates from RAW264.7 cells, using COX11 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .