COX4I1 polyclonal antibody

Catalog # PAB24900 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of A-549 cell lysate with COX4l1 polyclonal antibody (Cat # PAB24900).



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using COX4I1 polyclonal antibody (Cat # PAB24900).

Specification	
Product Description	Rabbit polyclonal antibody raised against synthetic peptide of COX4I1.
Immunogen	A synthetic peptide corresponding to COX4I1.
Host	Rabbit
Theoretical MW (kDa)	17
Reactivity	Human
Specificity	COX4I1 polyclonal antibody detects endogenous levels of COX4I1 protein.
Form	Liquid

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Product Information

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

Western Blot (Cell lysate)

Western blot analysis of A-549 cell lysate with COX4I1 polyclonal antibody (Cat # PAB24900).

• Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using COX4I1 polyclonal antibody (Cat # PAB24900).

• Immunofluorescence

Gene Info — COX4I1

Entrez GenelD	<u>1327</u>
Gene Name	COX4I1
Gene Alias	COX4, COXIV, MGC72016
Gene Description	cytochrome c oxidase subunit IV isoform 1
Omim ID	<u>123864</u>
Gene Ontology	<u>Hyperlink</u>

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Gene Summary	Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecul ar oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial me mbrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochon drially-encoded subunits perform the electron transfer and proton pumping activities. The function s of the nuclear-encoded subunits are unknown but they may play a role in the regulation and asse mbly of the complex. This gene encodes the nuclear-encoded subunit N isoform 1 of the human m itochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. [provided by RefSeq
Other Designations	-

Pathway

- Cardiac muscle contraction
- <u>Metabolic pathways</u>
- Oxidative phosphorylation