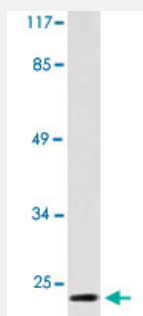


COX4I1 polyclonal antibody

Catalog # PAB24900

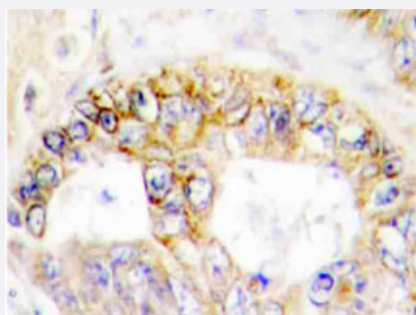
Size 100 uL

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).

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

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 should 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 GeneID	1327
Gene Name	COX4I1
Gene Alias	COX4, COXIV, MGC72016
Gene Description	cytochrome c oxidase subunit IV isoform 1
Omim ID	123864
Gene Ontology	Hyperlink

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 molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial 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

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Pathway

- [Cardiac muscle contraction](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)