

**Anti-COX19 Antibody**  
**Catalog # AP54029****Specification**

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**Anti-COX19 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q49B96</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10394

**Anti-COX19 Antibody - Additional Information****Gene ID** 90639**Other Names**

Cytochrome c oxidase assembly protein COX19; hCOX19

**Target/Specificity**

Recognizes endogenous levels of COX19 protein.

**Dilution**

WB~~1/500 - 1/1000

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-COX19 Antibody - Protein Information****Name** COX19**Function**

Required for the transduction of an SCO1-dependent redox signal from the mitochondrion to ATP7A to regulate cellular copper homeostasis (PubMed:<a href="http://www.uniprot.org/citations/23345593" target="\_blank">23345593</a>). May be required for the assembly of mitochondrial cytochrome c oxidase (By similarity).

**Cellular Location**

Cytoplasm, cytosol Mitochondrion intermembrane space. Mitochondrion Note=Partitions between mitochondria and the cytosol in a copper- dependent manner. Enriched in the cytosol when intracellular copper concentrations are elevated.

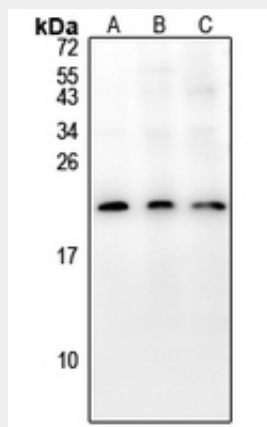
**Tissue Location**

Ubiquitously expressed. Highly expressed in skeletal muscle.

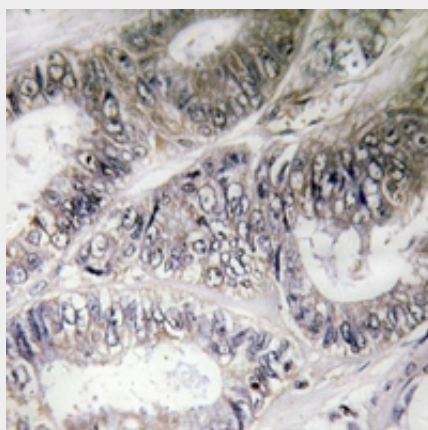
**Anti-COX19 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-COX19 Antibody - Images**

Western blot analysis of COX19 expression in A375 (A), EC9706 (B), HCT116 (C) whole cell lysates.



Immunohistochemical analysis of COX19 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

## **Anti-COX19 Antibody - Background**

Rabbit polyclonal antibody to COX19