

## **COX19 Polyclonal Antibody**

Catalog No: YT1072

**Reactivity:** Human; Mouse

**Applications:** IHC;IF;ELISA

Target: COX19

**Fields:** >>Thermogenesis

Gene Name: COX19

**Protein Name:** Cytochrome c oxidase assembly protein COX19

Q49B96

Q8K0C8

Human Gene Id: 90639

**Human Swiss Prot** 

Idiliali Swiss Fiol

No:

Mouse Gene Id: 68033

**Mouse Swiss Prot** 

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

COX19. AA range:10-59

**Specificity:** COX19 Polyclonal Antibody detects endogenous levels of COX19 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/2



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 10kD

**Background :** COX19 encodes a cytochrome c oxidase (COX)-assembly protein. The S.

cerevisiae Cox19 protein may play a role in metal transport to the mitochondrial

intermembrane space and assembly of complex IV of the mitochondrial

respiratory chain (Sacconi et al., 2005 [PubMed 16212937]).[supplied by OMIM,

Mar 2008],

**Function:** function: May be required for the assembly of mitochondrial cytochrome c

oxidase.,similarity:Belongs to the COX19 family.,similarity:Contains 1 CHCH domain.,tissue specificity:Ubiquitously expressed. Highly expressed in skeletal

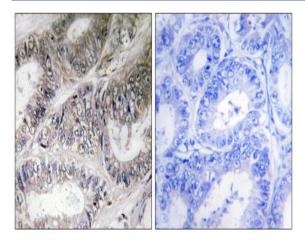
muscle.,

Subcellular Location :

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

**Expression:** Ubiquitously expressed. Highly expressed in skeletal muscle.

## **Products Images**



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using COX19 Antibody. The picture on the right is blocked with the synthesized peptide.