Product Data Sheet
Anti-COX IV Rabbit Polyclonal Antibody

Product name:	Anti-COX IV Rabbit Polyclonal Antibody
Cat number:	ABS11250
Conjugate:	unconjugated
Host:	Rabbit
Size:	100 µL
Synonyms:	Cytochrome c oxidase polypeptide IV, Cytochrome c oxidase subunit IV isoform 1, COX IV-1, Cox4i1, Cox4, Cox4a, COX4I1, COX4, COX4-1, COXIV, COXIV-1, COXIV-1, cytochrome c oxidase subunit 4I1
Concentration:	1mg/ml
Isotype:	IgG
Immunogen:	Recombinant protein corresponding to Mouse COX IV
Reactivity:	Human, Mouse, Rat, Mouse
Applications:	Western Blot: 1: 750-1: 1500 Immunohistocehnistry: Immunofluorescence: 1: 50-1: 200 Immunocytochemistry: 1: 50-1: 200 IEM 1: 50-1: 100
Molecular Weight:	20 kDa / 17 kDa
Purification:	Affinity purification
Background:	COX4I1, also named as COX4 and COXIV-1, belongs to the cytochrome c oxidase IV family. It is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. COX4I1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1(COX4I1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues. COX4I1 is commonly used as a loading control. This antibody was generated against full length COX4I1 protein and cross reacts with COX4I2.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.
Storage:	Store at -20 ℃ for one year. Avoid repeated freeze/ thaw cycles.

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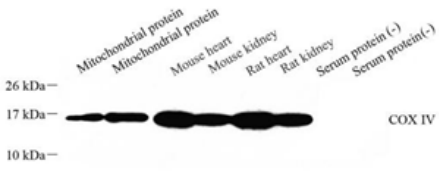
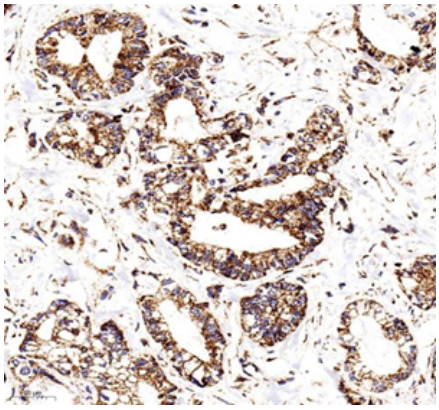
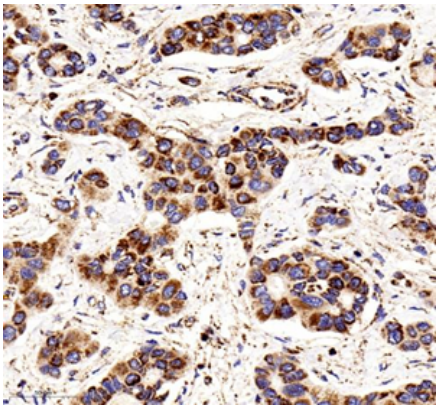


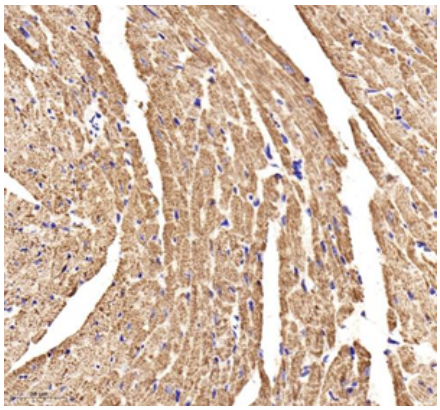
Western blot analysis of COX IV at dilution of 1: 750



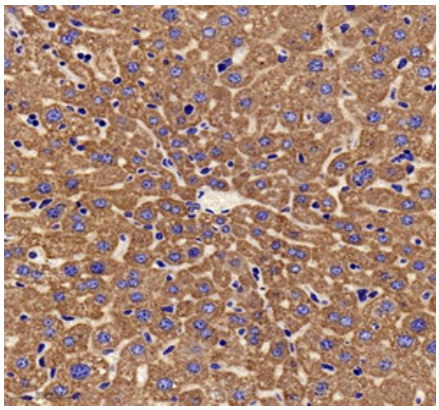
Immunohistochemistry of paraffin embedded human gastric cancer using COX IV at dilution of 1: 400



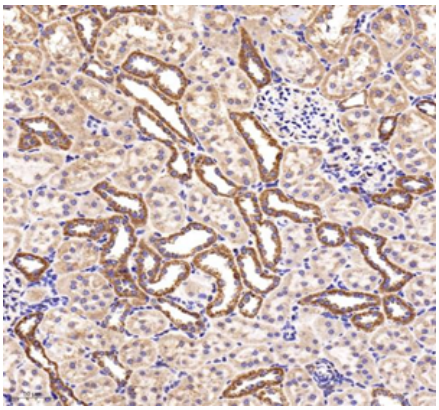
Immunohistochemistry of paraffin embedded human liver cancer using COX IV at dilution of 1: 400



Immunohistochemistry of paraffin embedded mouse heart using COX IV at dilution of 1: 400



Immunohistochemistry of paraffin embedded mouse liver using COX IV at dilution of 1: 400



Immunohistochemistry of paraffin embedded rat kidney using COX IV at dilution of 1: 400

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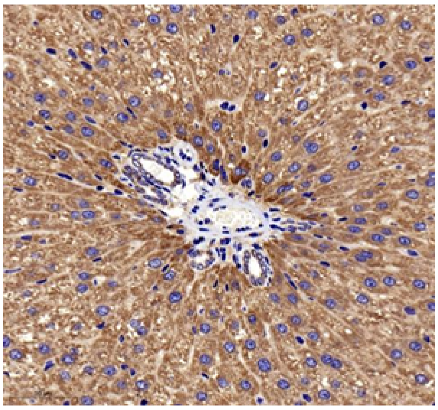
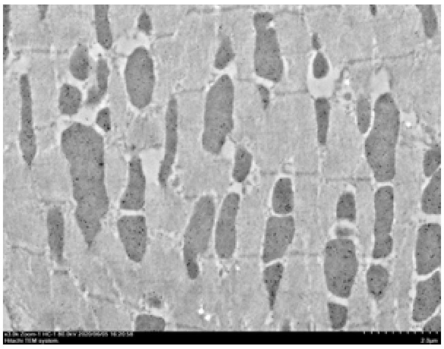
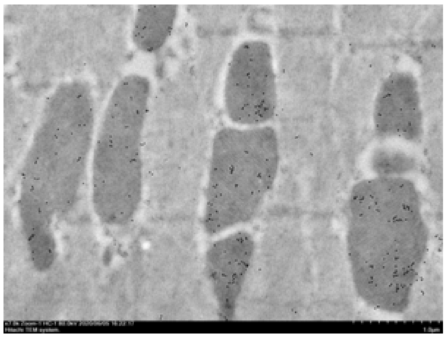


Immunohistochemistry of paraffin embedded rat liver using COX IV at dilution of 1: 400



Immunoelectron microscopy analysis of LR white resin-embedded mouse myocardium using COX IV at dilution of 1: 50. A goat anti-rabbit antibody preabsorbed with 10nm colloidal gold was used as the secondary antibody, at dilution of 1: 50.



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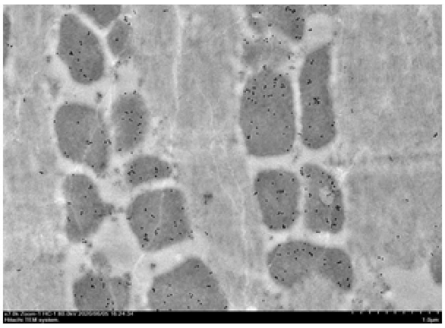

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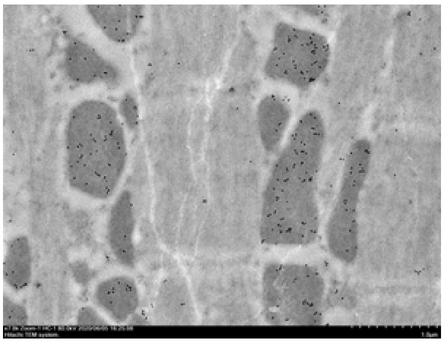

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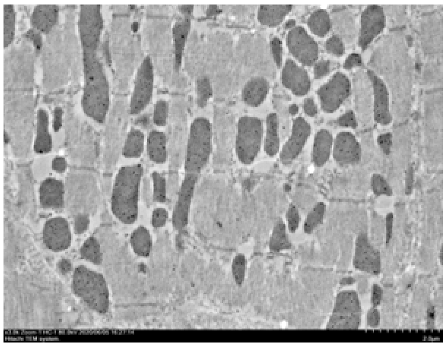

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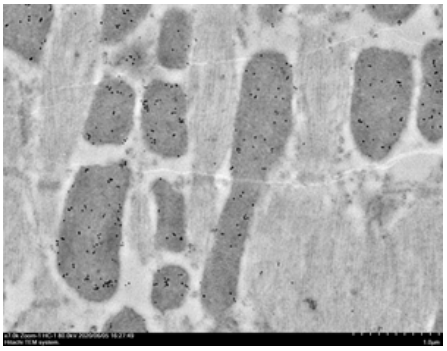

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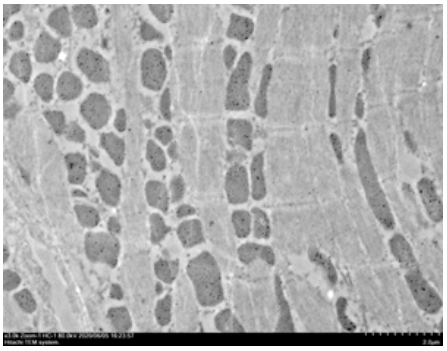

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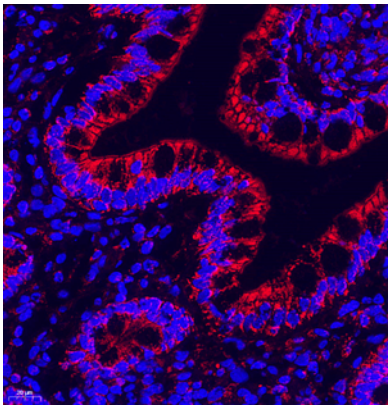
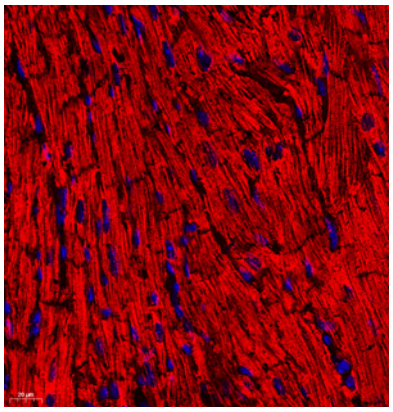
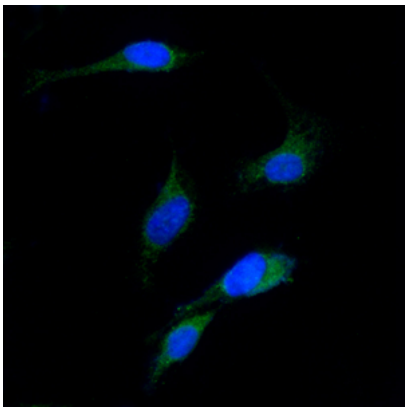


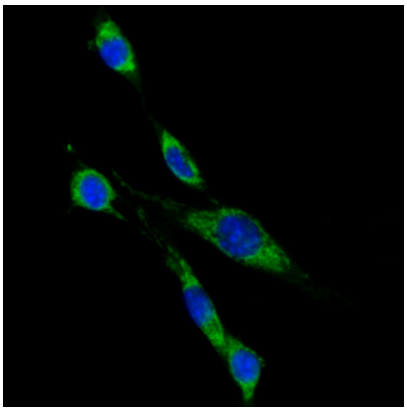
Immunofluorescence of paraffin embedded human colon using COXIV at dilution of 1: 200



Immunofluorescence of paraffin embedded mouse heart using COXIV at dilution of 1: 200



Immunocytochemistry analysis of 4% paraformaldehyde-fixed NIH-3T3 cells using COX IV at dilution of 1:50-1:200



Immunocytochemistry analysis of 4% paraformaldehyde-fixed HeLa cells using COX IV at dilution of 1:50-1:200

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