

Anti-COX IV Rabbit pAb



WL02203

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-COX IV Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:100-1:300
	IF	1:500
Cellular localization	Mitochondrion inner membran	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	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.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of COX IV.
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

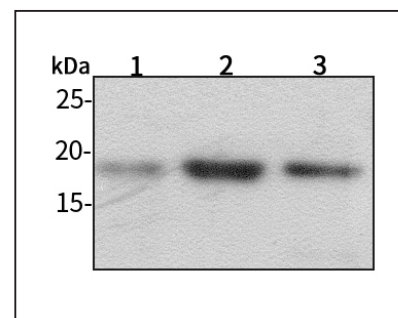
Anti-COX IV Rabbit pAb



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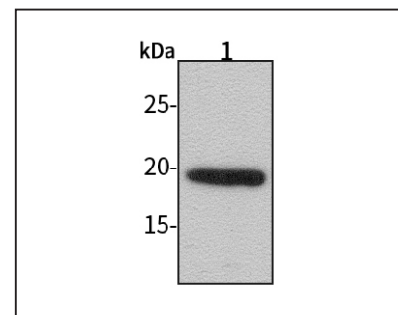
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Product Images



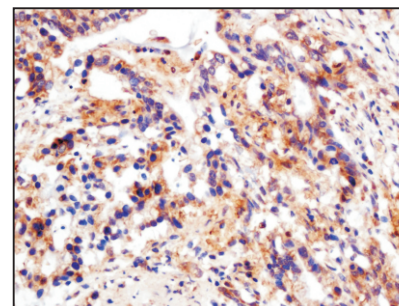
Western blot-Anti-COX IV pAb

Lane 1: Human HepG2 cell Mitochondrial Protein
 Lane 2: Human Hela cell Mitochondrial Protein
 Lane 3: Human BGC-823 cell Mitochondrial Protein
 All lanes: Anti-COX IV at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 19 kDa
 Observed band size: 19 kDa



Western blot-Anti-COX IV pAb

Lane 1: Mouse kidney tissue Mitochondrial Protein
 All lanes: Anti-COX IV at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 19 kDa
 Observed band size: 19 kDa



Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded human pancreatic cancer using anti-COX IV Rabbit Antibody at 1:300 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

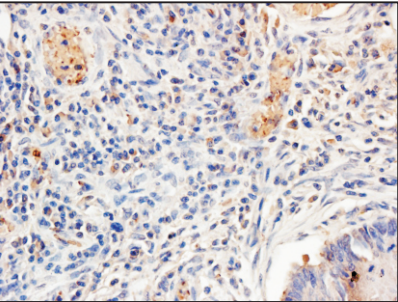
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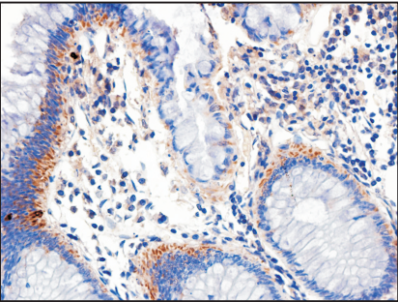
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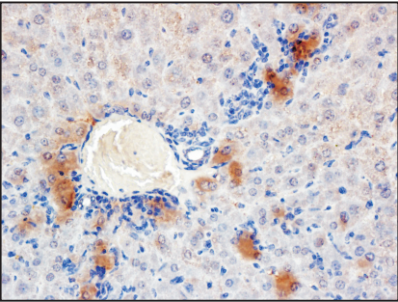
Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-COX IV Rabbit Antibody at 1:150 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-COX IV Rabbit Antibody at 1:150 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded mouse liver using anti-COX IV Rabbit Antibody at 1:150 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

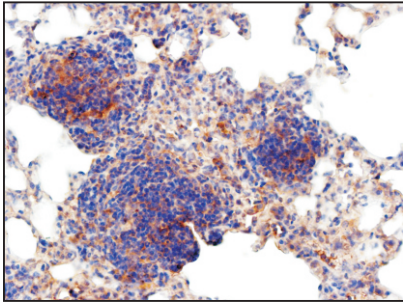
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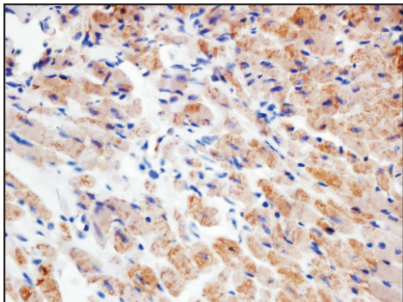
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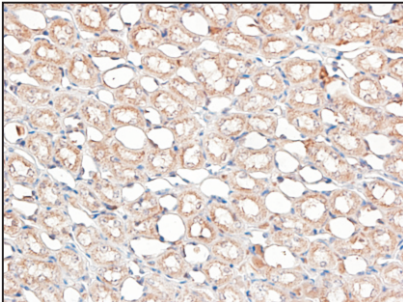
Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded mouse lung using anti-COX IV Rabbit Antibody at 1:150 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded mouse heart using anti-COX IV Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded mouse kidney using anti-COX IV Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

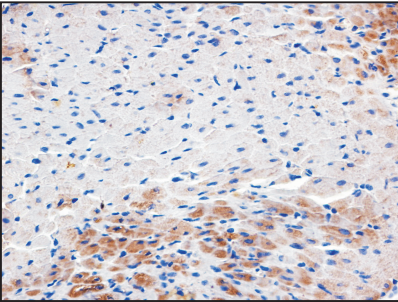
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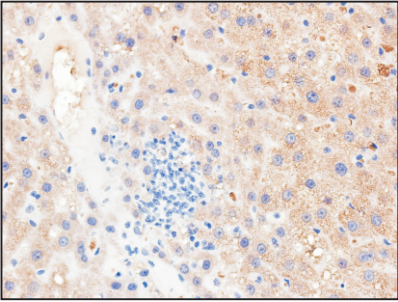
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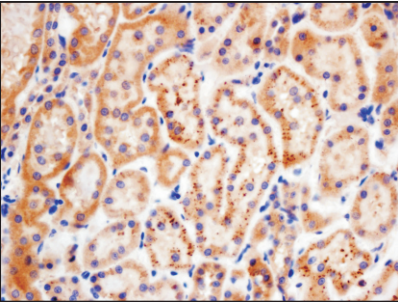
Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded mouse heart treated by LPS using anti-COX IV Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded rat diabetes liver using anti-COX IV Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded rat kidney using anti-COX IV Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

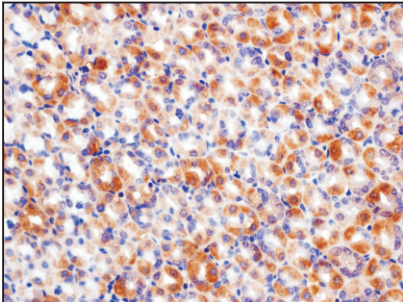
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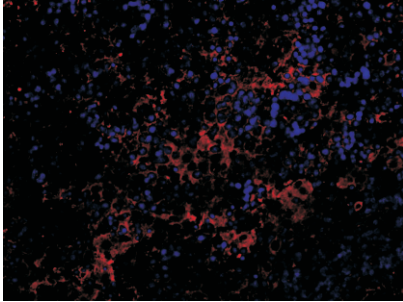
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Immunohistochemistry-Anti-COX IV pAb

Immunohistochemical analysis of paraffin-embedded rat stomach using anti-COX IV Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-COX IV pAb

Immunofluorescence analysis of paraffin-embedded rat spleen using anti-COX IV Rabbit Antibody at 1:500 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0