

Product Datasheet

COX4I1 Mouse Monoclonal Antibody (Mitochondrial Loading Control) (orb423160)

Catalog Number	orb423160
Category	Antibodies
Description	COX4I1 Mouse Monoclonal Antibody (Mitochondrial Loading Control)
Target	COX4I1
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Mouse, Rat
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein G
Immunogen	Recombinant human COX4
UniProt ID	P13073
MW	17 kDa

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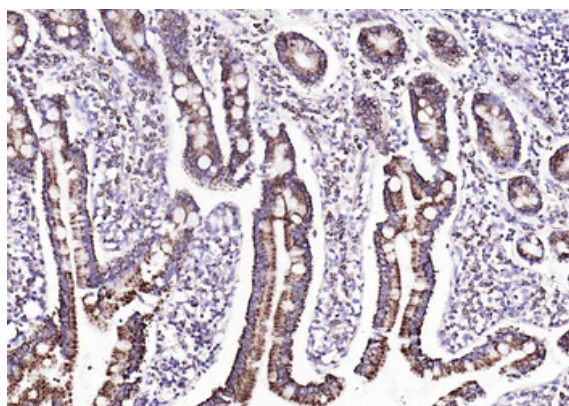
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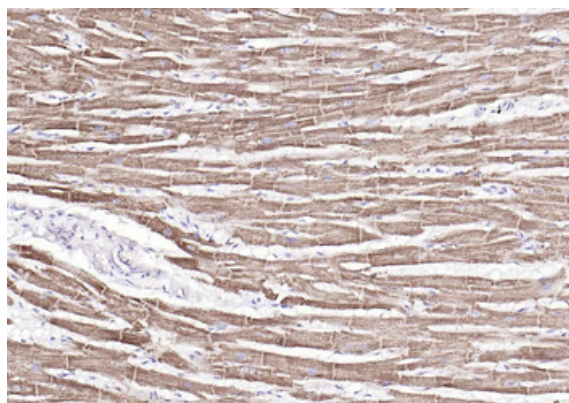
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Tested applications	IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:200-800, IHC-F=1:200-800, IF=1:200-800
Antibody Type	Primary Antibody
Clone Number	B0F0
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Paraformaldehyde-fixed, paraffin embedded (Human duodenum), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human heart), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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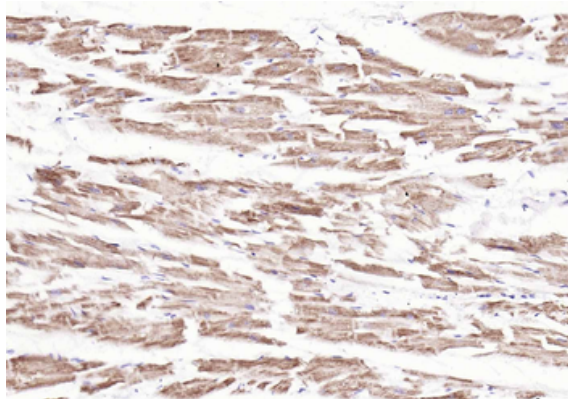
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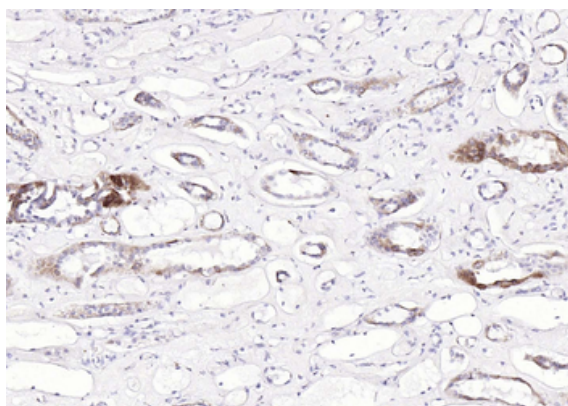
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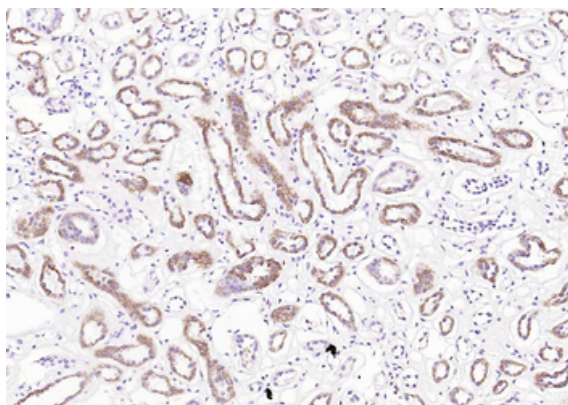
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Paraformaldehyde-fixed, paraffin embedded (Human heart), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human kidney), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



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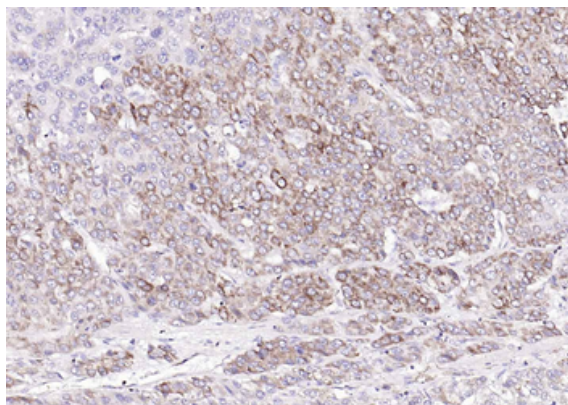
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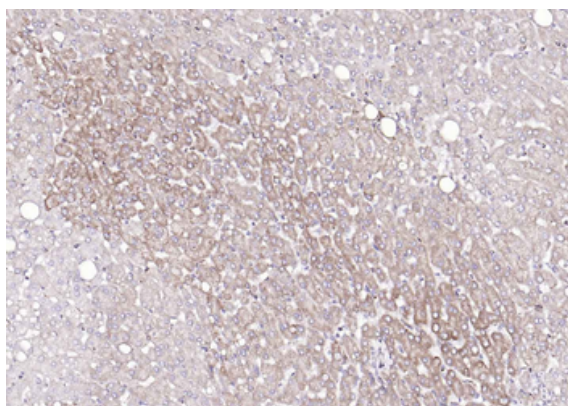
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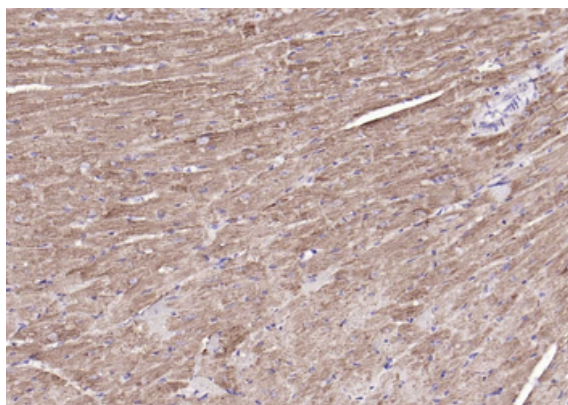
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Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human liver), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse heart), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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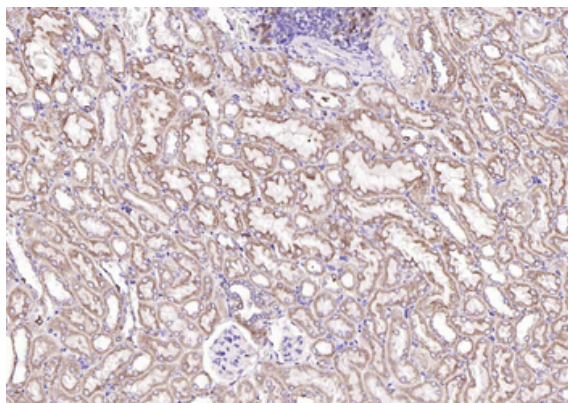
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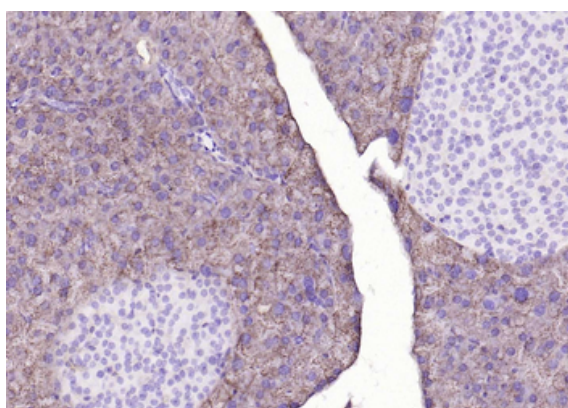
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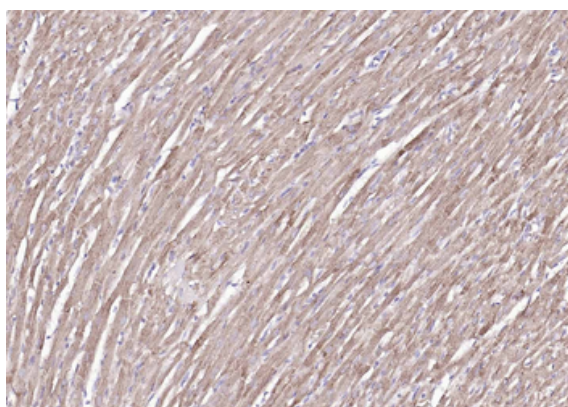
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Paraformaldehyde-fixed, paraffin embedded (mouse kidney), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse pancreas), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat heart), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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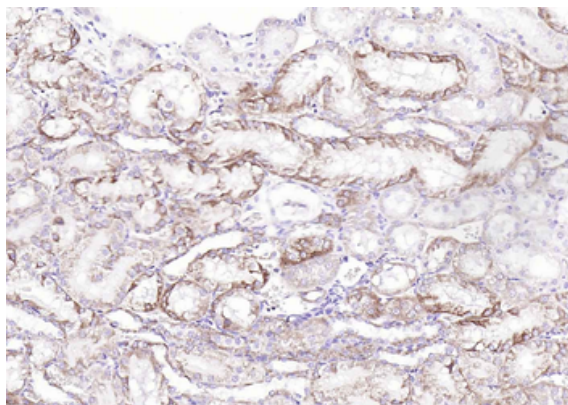
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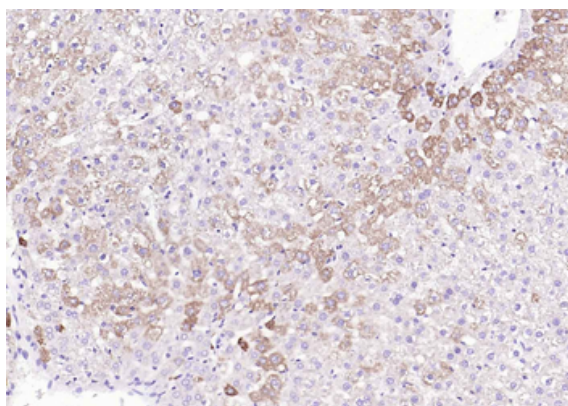
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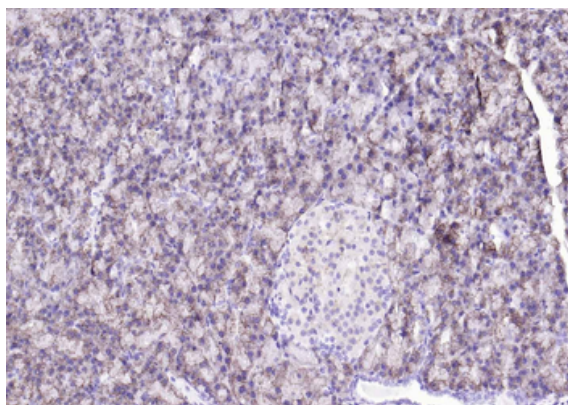
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Paraformaldehyde-fixed, paraffin embedded (rat kidney), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat liver), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat pancreas), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Incubation with (COX4I1 (Mitochondrial Loading Control)) Monoclonal Antibody, Unconjugated (orb423160) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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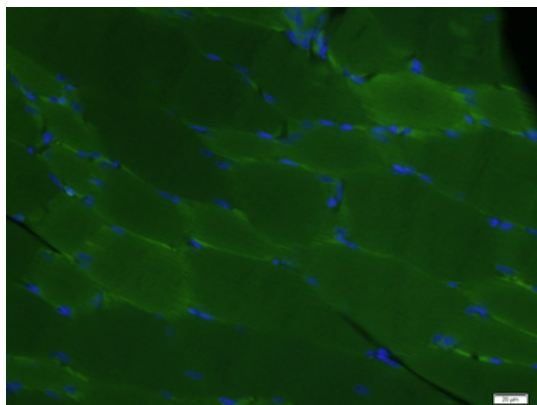
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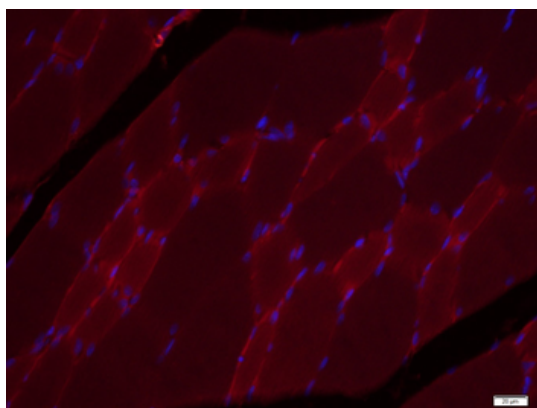
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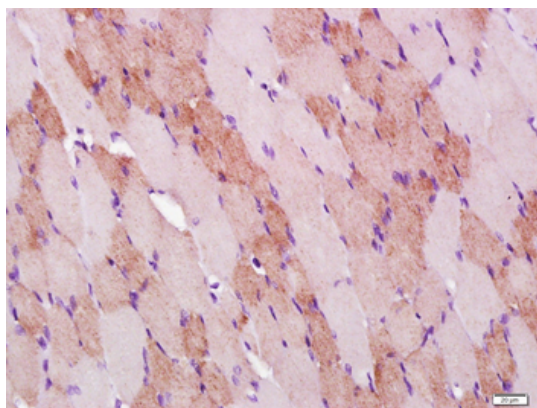
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Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (COX4) Monoclonal Antibody, Unconjugated (orb423160) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Mouse IgG antibody for 90 minutes, and DAPI for nuclei staining.



Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (COX4) Monoclonal Antibody, Unconjugated (orb423160) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Mouse IgG antibody for 90 minutes, and DAPI for nuclei staining.



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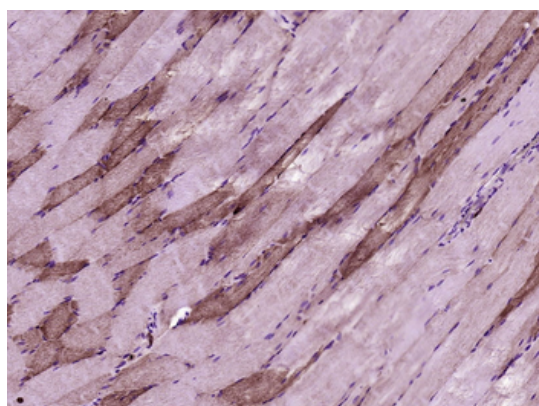
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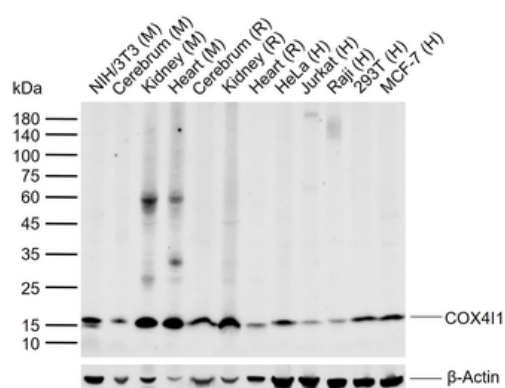
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Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (COX4) Monoclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Sample: Lane 1: Mouse NIH/3T3 cell lysates, Lane 2: Mouse Cerebrum tissue lysates, Lane 3: Mouse Kidney tissue lysates, Lane 4: Mouse Heart tissue lysates, Lane 5: Rat Cerebrum tissue lysates, Lane 6: Rat Kidney tissue lysates, Lane 7: Rat Heart tissue lysates, Lane 8: Human HeLa cell lysates, Lane 9: Human Jurkat cell lysates, Lane 10: Human Raji cell lysates, Lane 11: Human 293T cell lysates, Lane 12: Human MCF-7 cell lysates, Primary: Anti-COX4I1 (Mitochondrial Loading Control) (orb423160) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution, Predicted band size: 17 kDa, Observed band size: 17 kDa.

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