

COX4 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Hamster, Human, Mouse, Non-human primate, Plant, Rat, Xenopus
Published Species	Rat, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 150 to the C-terminus of Human COX IV.
Form	Liquid
Concentration	0.9 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 0.05% BSA, 40% glycerol
Contains	0.01% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11004909

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5 µg/ml	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1 µg/mL	-
Immunocytochemistry (ICC/IF)	1 µg/ml	-

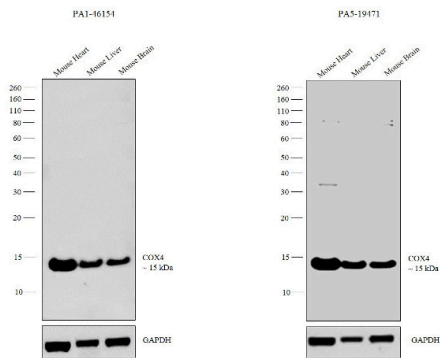
Product Specific Information

Heat mediated antigen retrieval recommended prior to tissue staining.

This antibody is predicted to react with chimpanzee based on sequence homology.

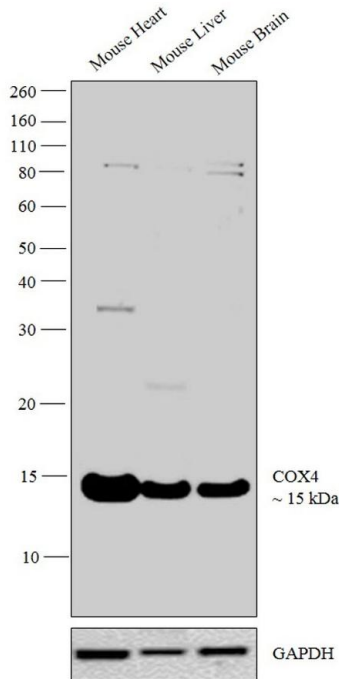
Store antibody at 4°C for 1-2 weeks. For long-term storage, store at -20°C.

Product Images For COX4 Polyclonal Antibody



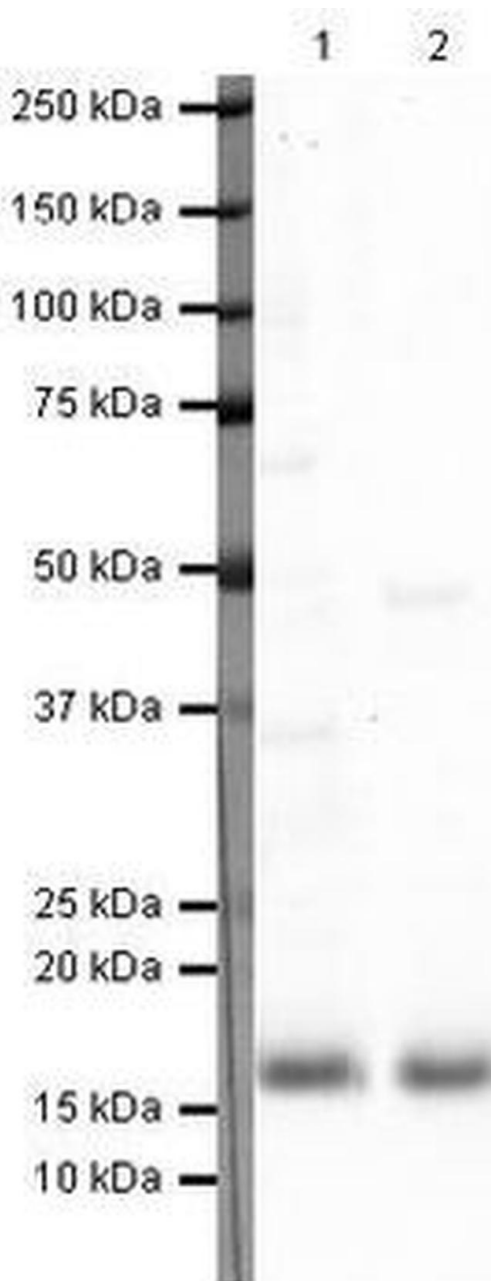
COX4 Antibody (PA5-19471)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Western blot of COX4 using COX4 Polyclonal Antibody (Product # PA5-19471), tested in parallel with COX4 Polyclonal Antibody (Product # PA1-46154), shows similar expression of COX4 in the tissues tested. {IAV}



COX4 Antibody (PA5-19471) in WB

Western blot analysis was performed on tissue extracts (30 µg lysate) of Mouse Heart (Lane 1), Mouse Liver (Lane 2) and Mouse Brain (Lane 3). The blot was probed with COX4 Polyclonal Antibody (Product # PA5-19471, 1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). A band at 15 kDa corresponding to COX4 was observed across the tissues tested.



COX4 Antibody (PA5-19471) in WB

Western blot analysis of Mouse Skeletal Muscle Tissue Lysate using Product # PA5-19471, COX IV primary antibody at a dilution of 1 μ g/mL (lane 1). Staining of Human Skeletal Muscle Tissue Lysate at a dilution of 1 μ g/mL (lane 2). Blot treated with a secondary HRP-conjugated Goat polyclonal anti-Rabbit antibody was used at a dilution of 1:3000.

[View more figures on thermofisher.cn](https://thermofisher.cn)

Western Blot (2)

<p>International journal of molecular sciences</p> <p>miR-378a-3p Participates in Metformin's Mechanism of Action on C2C12 Cells under Hyperglycemia.</p> <p>"PA5-19471 was used in Western Blotting to find that metformin increases miR-378a-3p expression (p < 0.002) in C2C12 myoblasts previously exposed to hyperglycemic conditions."</p> <p>Authors: Machado IF,Teodoro JS,Castela AC,Palmeira CM,Rolo AP</p>	<p>Year</p> <p>2021</p> <p>Species</p> <p>Mouse</p> <p>Dilution</p> <p>1:1000</p>
<p>International journal of molecular sciences</p> <p>The Soluble Adenylyl Cyclase Inhibitor LRE1 Prevents Hepatic Ischemia /Reperfusion Damage Through Improvement of Mitochondrial Function.</p> <p>"PA5-19471 was used in Western Blotting to conclude that LRE1 pretreatment leads to a mitohormetic response that protects mitochondrial function during I/R injury."</p> <p>Authors: Teodoro JS,Amorim JA,Machado IF,Castela AC,Steegborn C,Sinclair DA,Rolo AP,Palmeira CM</p>	<p>Year</p> <p>2020</p> <p>Species</p> <p>Rat</p> <p>Dilution</p> <p>1:1000</p>

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