

Product Name: COX IV Mouse Monoclonal Antibody**Catalog #: AMM80038**

For research use only.

Summary

Host	Mouse
Application	WB,IHC-F,IHC-P,ICC/IF,FC,IP
Specificity	endogenous
Reactivity	Human,Mouse,Rat,Goat,Hamster,Monkey
Isotype	IgG1
Form	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB-1:500-1:1000; IHC-1:50-1:200; IF-1:100-1:200; IP-1:20; FC-1:100
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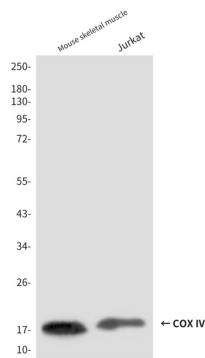
Antigen Information

Gene Name	COX4I1
Immunogen	A synthetic peptide corresponding to carboxyl terminal residues of human COX IV

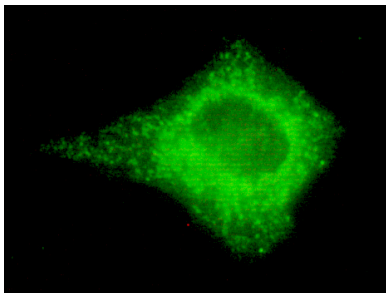
Background

Cytochrome c oxidase (COX) is a hetero-oligomeric enzyme consisting of 13 subunits localized to the inner mitochondrial membrane (1-3). It is the terminal enzyme complex in the respiratory chain, catalyzing the reduction of molecular oxygen to water coupled to the translocation of protons across the mitochondrial inner membrane to drive ATP synthesis.

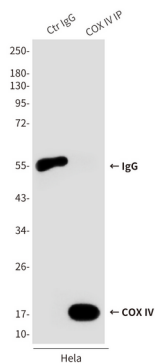
Image Data



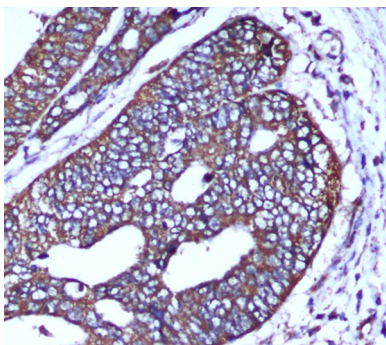
Western blot analysis of COX IV in mouse skeletal muscle and Jurkat lysates using COX IV antibody.



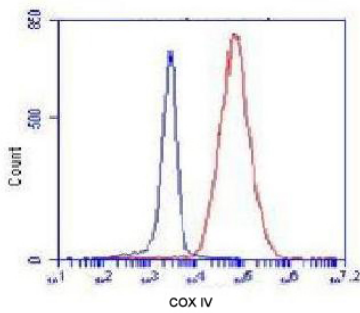
Immunocytochemistry analysis of COX IV in HeLa cells using COX IV antibody.



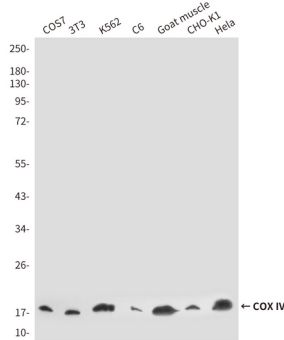
Immunoprecipitation analysis of COX IV (4D11) in HeLa lysates using COX IV antibody.



Immunohistochemistry analysis of paraffin-embedded Human colorectal carcinoma using COX IV antibody (4D11B3E8). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Flow Cytometry analysis of K562 stained with COX4 (red). Blue line histogram represents the isotype control, normal mouse IgG.



Western blot analysis of COX IV in COS7, 3T3, K562, C6, Goat muscle, CHO-K1 and Hela lysates using COX IV antibody.