

A Reliable Research Partner in Life Science and Medicine

Recombinant COX IV Monoclonal Antibody

catalog number: AN301774L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human;Rat;Mouse

Immunogen Recombinant human COX IV fragment

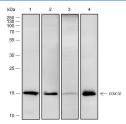
HostRabbitIsotypeIgG, κCloneA482

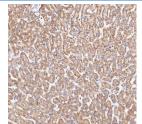
Purification Protein A purified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution	
WB	1:500-1:2000	
IHC	1:100-1:500	
FCM	1:50-1:100	
IP	1:25-1:50	

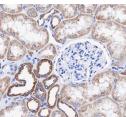
Data

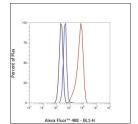




Western Blot with COX IV Monoclonal Antibody at dilution of 1:2000. Lane 1: Jurkat, Lane 2: MEF, Lane 3: C6, Lane 4: using COX IV Monoclonal Antibody at dilution of 1:500.

Mouse heart
Observed-MW:15 kDa
Calculated-MW:20 kDa





Immunohistochemistry of paraffin-embedded Human kidney using COX IV Monoclonal Antibody at dilution of 1:500.

Flow cytometric analysis of human COX IV expression on HeLa cells. Cells were stained with purified anti-Human COX IV, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

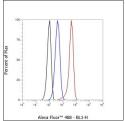
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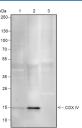
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Flow cytometric analysis of human COX IV expression on Jurkat cells. Cells were stained with purified anti-Human COX IV, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.



Immunoprecipitation analysis using anti-COX IV Monoclonal Antibody. Western blot was performed from the immunoprecipitate using COX IV Monoclonal Antibody at a dilution of 1:50. Lane 1: 10% Input, Lane 2: COX IV Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:15 kDa Calculated-MW:20 kDa

Rev. V1.1

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

Cytochrome c oxidase IV (COX4) is component of the cytochrome c oxidase, the last enzyme in the mitochondrial electron transport chain which drives oxidative phosphorylation. COX4 is a nuclear-encoded subunit of COX that may play a role in regulating COX activity. COX4 is expressed ubiquitously in adult human tissue with the strongest levels of expression in the pancreas and moderate expression levels in heart, skeletal muscle and placenta.

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