

Recombinant COX IV Monoclonal Antibody

catalog number: **AN301774L**

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

Description

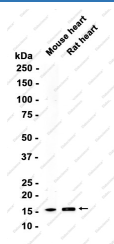
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human COX IV
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111396
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000
IHC-P	1:200-1:500
ICC/IF	1:500-1:1000
IP	1:20
FCM	1:20

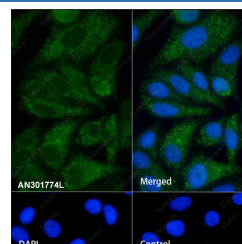
Data



Western blot analysis of Mouse heart and Rat heart cell lysates using COX IV Antibody (AN301774L) at a dilution of 1:1000.

Observed-MW:17 kDa

Calculated-MW:20 kDa



Immunofluorescence analysis of HepG2 cells using COX IV Antibody(AN301774L). Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

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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