

Datasheet for ABIN6242248
anti-COX IV antibody (AA 49-83)



[Go to Product page](#)

2 Images

Overview

Quantity:	200 µL
Target:	COX IV (COX4I1)
Binding Specificity:	AA 49-83
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX IV antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This COXIV antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 49-83 amino acids from the mouse region of mouse COXIV.
Clone:	RB58106
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	COX IV (COX4I1)
Alternative Name:	COXIV (COX4I1 Products)

Target Details

Background:	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
Molecular Weight:	19530
UniProt:	P19783
Pathways:	Proton Transport

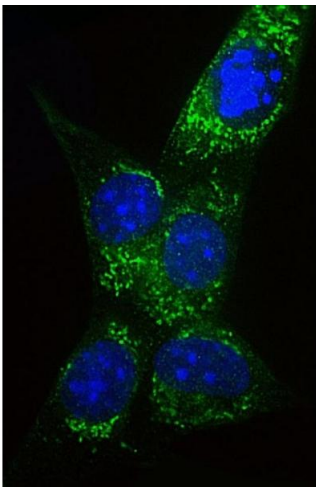
Application Details

Application Notes:	IF: 1:25. WB: 1:2000
Restrictions:	For Research Use only

Handling

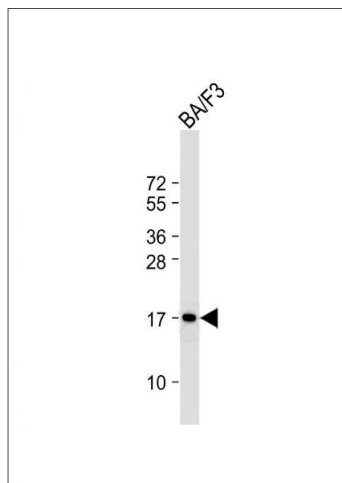
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months

Images



Immunofluorescence

Image 1. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized NIH/3T3 cells labeling Cox4i1 with (ABIN6242248 and ABIN6578892) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing Cytoplasm staining on NIH/3T3 cell line. The nuclear counter stain is DAPI (blue).



Western Blotting

Image 2. Anti-COXIV Antibody at 1:2000 dilution + BA/F3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa
Blocking/Dilution buffer: 5 % NFDM/TBST.