

Datasheet for ABIN653637  
**anti-COX1 antibody (AA 195-224)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	400 µL
Target:	COX1
Binding Specificity:	AA 195-224
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	This COXI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-224 amino acids of human COXI.
Clone:	RB24524
Isotype:	IgG
Predicted Reactivity:	B, C, Zf, Hs, M, Pig, Rb, Rat, Sh, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	COX1
Alternative Name:	COXI ( <a href="#">COX1 Products</a> )

## Target Details

Molecular Weight:	57041
Gene ID:	4512
UniProt:	<a href="#">P00395</a>
Pathways:	<a href="#">Proton Transport</a>

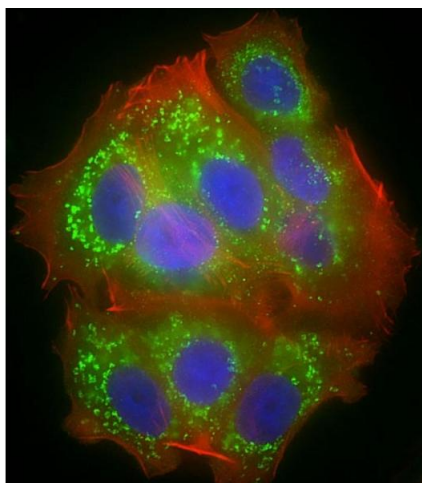
## Application Details

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

## Handling

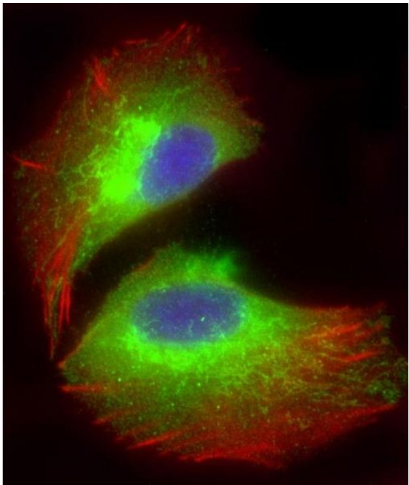
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

## Images



### Immunofluorescence

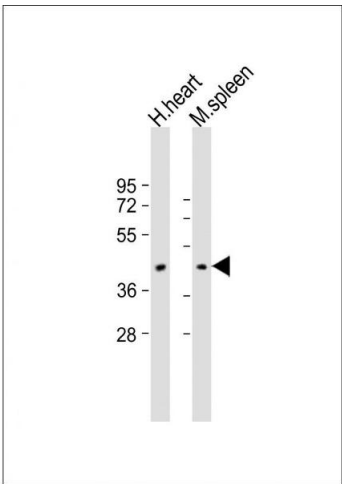
**Image 1.** Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized MCF-7 (human breast cancer cell line) cells labeling COXI with C at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and mitochondrion staining on MCF-7 cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin



(PD18466410) at 1/100 dilution (red). The nuclear counter stain is DI (blue).

Immunofluorescence

**Image 2.** Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling COXI with C at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing endoplasmic reticulum staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DI (blue).



Western Blotting

**Image 3.** All lanes : Anti-COXI Antibody (Center) at 1:2000 dilution Lane 1: human heart lysate Lane 2: mouse spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.