



[Go to Product page](#)

Datasheet for ABIN7441013  
**anti-COX IV antibody (AA 1-169)**

6 Images

### Overview

Quantity:	100 µL
Target:	COX IV (COX4I1)
Binding Specificity:	AA 1-169
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX IV antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

### Product Details

Purpose:	Polyclonal Antibody to Cytochrome C Oxidase Subunit IV Isoform 1 (COX4I1)
Immunogen:	Recombinant Cytochrome C Oxidase Subunit IV Isoform 1 (COX4I1) corresponding to Met1~Lys169 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against COX4I1. It has been selected for its ability to recognize COX4I1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

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Target:	COX IV (COX4I1)
Alternative Name:	Cytochrome C Oxidase Subunit IV Isoform 1 ( <a href="#">COX4I1 Products</a> )
Background:	COX4, Cytochrome c oxidase polypeptide IV, Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
Pathways:	<a href="#">Proton Transport</a>

## Application Details

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Application Notes:	Western blotting: 0.5-2 µg/mL 1:500-2000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

## Handling

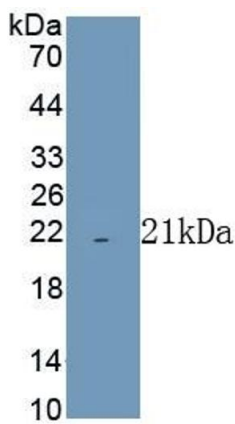
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Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



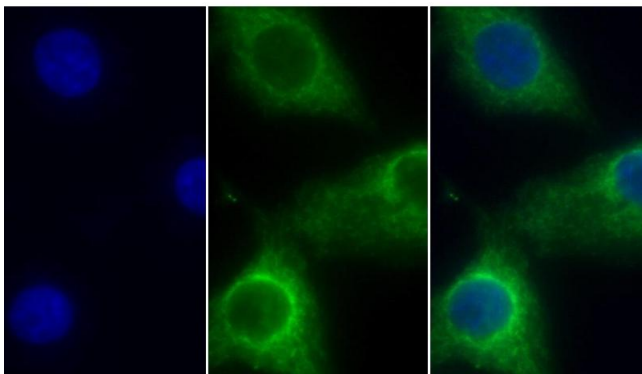
#### Western Blotting

**Image 1.** Detection of COX4I1 in Porcine Cerebrum lysate using Polyclonal Antibody to Cytochrome C Oxidase Subunit IV Isoform 1 (COX4I1)



#### Western Blotting

**Image 2.** Detection of Recombinant COX4I1, Human using Polyclonal Antibody to Cytochrome C Oxidase Subunit IV Isoform 1 (COX4I1)



#### Immunofluorescence

**Image 3.** Detection of COX4I1 in Human HeLa cell using Polyclonal Antibody to Cytochrome C Oxidase Subunit IV Isoform 1 (COX4I1)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7441013.