

Product datasheet

Anti-COXIV Isoform 2 antibody ab70112

4 References 2 Images

Overview

<b>Product name</b>	Anti-COXIV Isoform 2 antibody
<b>Description</b>	Rabbit polyclonal to COXIV Isoform 2
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab70112 detects endogenous levels of total COXIV Isoform 2 protein.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human COXIV Isoform 2 aa 31-80 (internal sequence). Database link: <a href="#">Q96KJ9</a>
<b>Positive control</b>	COS7 cells and K562 cell extracts treated with insulin (0.01U/ml, 15mins).

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab70112 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab70112** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

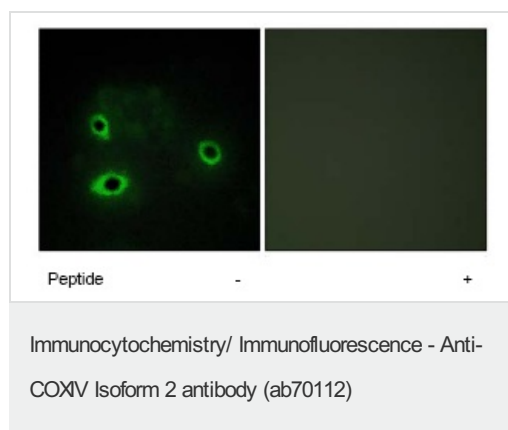
Application	Abreviews	Notes
ELISA		1/10000.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 20 kDa (predicted molecular weight: 20 kDa).
ICC/IF		1/500 - 1/1000.

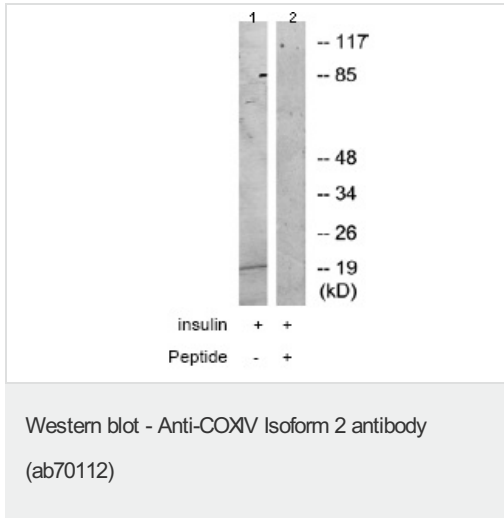
## Target

<b>Function</b>	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
<b>Tissue specificity</b>	Highly expressed in lung.
<b>Involvement in disease</b>	Defects in COX4I2 are the cause of exocrine pancreatic insufficiency dyserythropoietic anemia and calvarial hyperostosis (EPIDACH) [MIM:612714]. Patients present with pancreatic insufficiency, intestinal malabsorption, failure to thrive, and anemia soon after birth.
<b>Sequence similarities</b>	Belongs to the cytochrome c oxidase IV family.
<b>Cellular localization</b>	Mitochondrion inner membrane.

## Images



ab70112 at 1/500 dilution staining COXIV Isoform 2 in COS7 cells by Immunofluorescence, in the absence or presence of the immunising peptide.



**All lanes :** Anti-COXIV Isoform 2 antibody (ab70112) at 1/500 dilution

**Lane 1 :** K562 cell extracts treated with insulin (0.01U/ml, 15mins)

**Lane 2 :** K562 cell extracts treated with insulin (0.01U/ml, 15mins) with immunising peptide at 10 µg

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 20 kDa

**Observed band size:** 20 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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