

Datasheet for ABIN892016

**anti-COX1 antibody (AA 401-500) (AbBy Fluor® 350)**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	COX1
Binding Specificity:	AA 401-500
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX1 antibody is conjugated to AbBy Fluor® 350
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human COX1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	COX1
Alternative Name:	COX1/MTCO1 ( <a href="#">COX1 Products</a> )

## Target Details

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**Background:** Synonyms: COI, COX I, COXI, Cytochrome c oxidase polypeptide I, Cytochrome C Oxidase subunit I, Mitochondrially encoded cytochrome c oxidase I, MT CO1, MTCO 1, MTCO1, MT-CO1, MTCO1, Cytochrome c oxidase subunit 1, COX1\_HUMAN.

Background: Cytochrome c oxidase is the component of the respiratory chain that catalyzes the reduction of oxygen to water. Subunits 1-3 form the functional core of the enzyme complex. CO I is the catalytic subunit of the enzyme. Electrons originating in cytochrome c are transferred via the copper A center of subunit 2 and heme A of subunit 1 to the bimetallic center formed by heme A3 and copper B. This protein is involved in the pathway oxidative phosphorylation, which is part of Energy metabolism.

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**Gene ID:** 4512

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**UniProt:** [P00395](#)

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**Pathways:** [Proton Transport](#)

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## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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**Expiry Date:** 12 months

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