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Datasheet for ABIN892017

anti-COX1 antibody (AA 401-500) (Alexa Fluor 488)

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 Alexa Fluor 488
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 (COX1 Products)

Target Details

Background:	<p>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.</p> <p>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.</p>
Gene ID:	4512
UniProt:	P00395
Pathways:	Proton Transport

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months