



[Go to Product page](#)

Datasheet for ABIN751651
anti-COX1 antibody (AA 401-500) (Cy3)

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 Cy3 |
| 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: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| 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 |