



COX IV Monoclonal Antibody(6C8), AbFluor™ 488 Conjugated

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|---------------------------|---|
| Catalog No | YP-Ab-04522 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse |
| Applications | WB;IHC;IF; |
| Gene Name | COX4I1 |
| Protein Name | Cytochrome c oxidase subunit 4 isoform 1, mitochondrial |
| Immunogen | |
| Specificity | COX IV Monoclonal Antibody(6C8) AbFluor™ 488 Conjugated specially designed for your Immunofluorescence analysis. |
| Formulation | Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% Glycerol. |
| Source | Monoclonal, Mouse IgG1 |
| Purification | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |
| Dilution | Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC 1:50-300, IF 1:200 . |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | COX4I1 |
| Observed Band | |
| Cell Pathway | Mitochondrion inner membrane ; Single-pass membrane protein . |
| Tissue Specificity | Ubiquitous. |
| Function | function:This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.,similarity:Belongs to the cytochrome c oxidase IV family.,tissue specificity:Ubiquitous., |
| Background | Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown |



but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. Pseudogenes related to this gene are located on chromosomes

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images