COX4I1 Monoclonal Antibody

catalog number: E-AB-22002

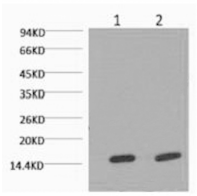
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG
Clone	2D4
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:1000-3000
IHC	1:50-300
IF	1:100-1:300

Data

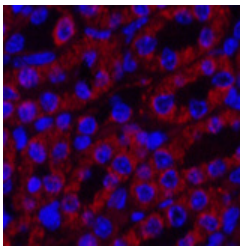


1:2000 1:5000

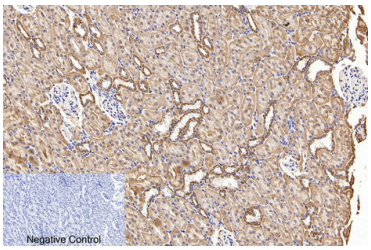
Western Blot analysis of Hela cells using COX4I1 Monoclonal Antibody at dilution of 1) 1:2000 2) 1:5000.

Observed-MW:15 kDa

Calculated-MW:20 kDa



Immunofluorescence analysis of Mouse kidney tissue using COX4I1 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Rat kidney tissue using COX4I1 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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.