COX4I1 Polyclonal Antibody

catalog number: **E-AB-70109**

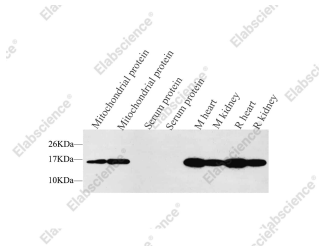
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant protein corresponding to Mouse COX IV
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:200-1:800
IF	1:200-1:500

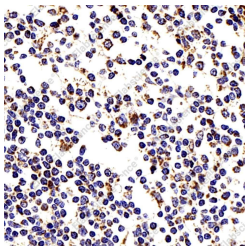
Data



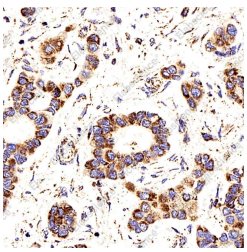
Western Blot analysis of various samples using COX4I1 Polyclonal Antibody at dilution of 1:1500.

Observed-MW:16 kDa

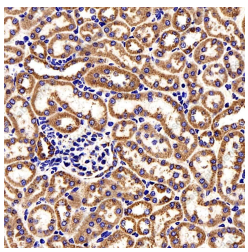
Calculated-MW:16 kDa



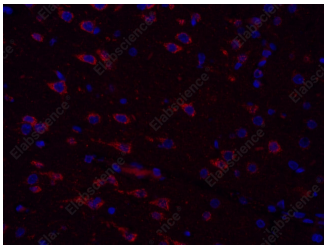
Immunohistochemistry analysis of paraffin-embedded human tonsil using COX4I1 Polyclonal Antibody at dilution of 1:200.



Immunohistochemistry analysis of paraffin-embedded human liver cancer using COX4I1 Polyclonal Antibody at dilution of 1:200.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney cancer using COX4I1 Polyclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of paraffin-embedded Rat brain using COX4I1 Polyclonal Antibody at dilution of 1:300.

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

COX4I1,also named as COX4 and COXIV-1,belongs to the cytochrome c oxidase IV family. It is one of the nuclear-coded polypeptide chains of cytochrome c oxidase,the terminal oxidase in mitochondrial electron transport. COX4I1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1(COX4I1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues. COX4I1 is commonly used as a loading control. This antibody is specific to COX4I1 and do not cross reacts with COX4I2.

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