Recombinant COX5B Monoclonal Antibody

catalog number: **AN300094P**

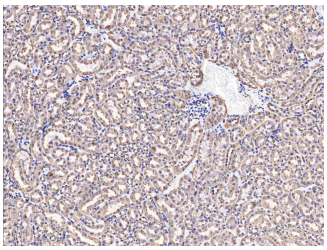
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

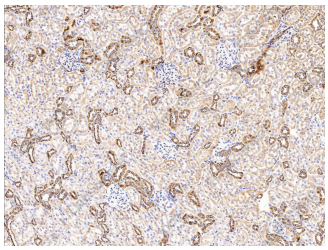
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human COX5B Protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110071
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	0.2 μm filtered solution in PBS.

Applications	Recommended Dilution
WB	1:2000-1:20000
IHC-P	1:200-1:500
ICC	1:500-1:1000
IP	1:50-1:100
FCM	1:10-1:100

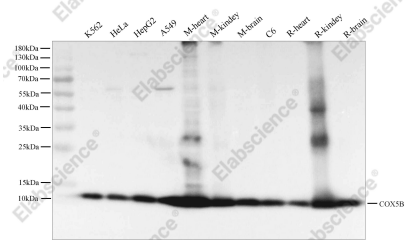
Data



Immunohistochemical analysis of paraffin-embedded Mouse kidney tissue sections using COX5B Antibody (AN300094P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



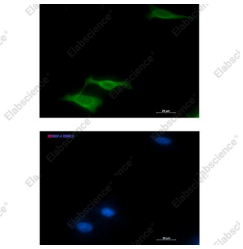
Immunohistochemical analysis of paraffin-embedded Rat kidney tissue sections using COX5B Antibody (AN300094P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



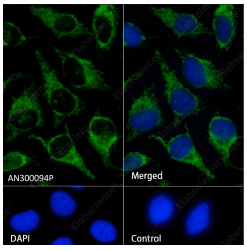
Western blot analysis of K562,HeLa,HepG2,A549,Mouse heart,Mouse kindey,Mouse brain,C6,Rat heart,Rat kidney and Rat brain cell lysates using COX5B Antibody (AN300094P) at a dilution of 1:3000.

Observed-MW:14 kDa

Calculated-MW:14 kDa



Immunofluorescent analysis of LNCaP cells (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling COX5B. Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

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 mitochondria l- 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 Vb of the human mitochondrial respiratory chain enzyme. [provided by RefSeq, Jul 2008]

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