

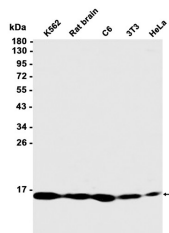
Recombinant COX5B Monoclonal Antibody

catalog number: **AN300094P**

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

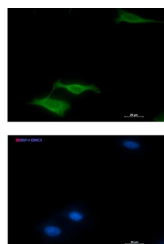
Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human COX5B Protein
Host	Rabbit
Isotype	IgG
Clone	A1208
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS
Applications	
	Recommended Dilution
	1:2000-1:20000; IHC-P: 1:200-1:500; ICC/IF: 1:500-1:1000; FC: 1:10-1:100; IP: 1:50-1:100
WB:	1:50-1:100

Data

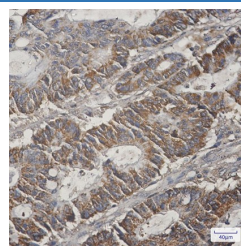


Western blot analysis of extracts from K562, C6, 3T3, HeLa cells and Rat brain tissue at 1:1000.

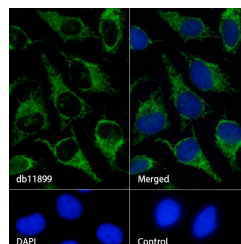
Observed-MW:14 kDa
Calculated-MW:14 kDa



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



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue .



Immunofluorescence analysis of HeLa cells labelling COX5B. The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate (1:500) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (shown in green). 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.

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Rev. V1.4

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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