

For Research Use Only

COX5A Recombinant monoclonal antibody

Catalog Number:86938-1-RR



Basic Information

Catalog Number: 86938-1-RR	GenBank Accession Number: BC024240	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9377	CloneNo.: 251697F7
Source: Rabbit	UNIPROT ID: P20674	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: cytochrome c oxidase subunit Va	
Immunogen Catalog Number: AG2005	Calculated MW: 150 aa, 17 kDa	
	Observed MW: 13 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, mouse heart tissue, HepG2 cells, rat heart tissue, mouse brain tissue, rat brain tissue

IHC : mouse heart tissue,

IF/ICC : HepG2 cells,

Background Information

COX5A(Cytochrome c oxidase subunit 5A, mitochondrial)is also named COXVA and belongs to the cytochrome c oxidase subunit 5A family. This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. The mature human COX Va polypeptide shares 35% and 95% protein sequence identity with the corresponding *S. cerevisiae* COX subunit VI and bovine COX Va, respectively(PMID:2853101).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

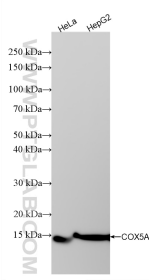
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

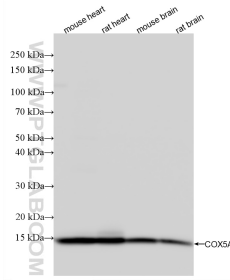
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

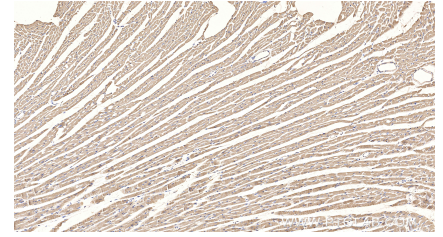
Selected Validation Data



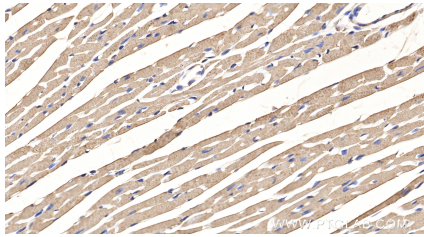
Various lysates were subjected to SDS PAGE followed by western blot with 86938-1-RR (COX5A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



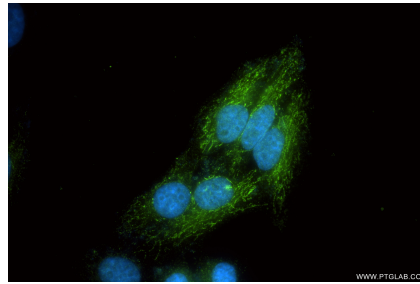
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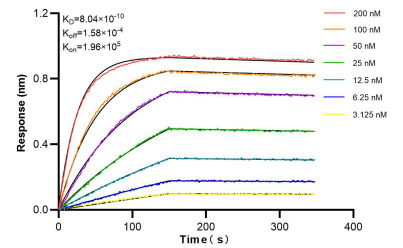
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 86938-1-RR (COX5A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 86938-1-RR (COX5A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using COX5A antibody (86938-1-RR, Clone: 251697F7) at dilution of 1:500 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bi-layer interferometry (BLI) kinetic assays of 86938-1-RR against Human COX5A were performed. The affinity constant is 0.804 nM.