For Research Use Only

COX5A Recombinant monoclonal antibody, PBS Only

Catalog Number:86938-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
86938-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2005

GenBank Accession Number:
BC024240

GeneID (NCBI):
9377

UNIPROT ID:
P20674

Full Name:
cytochrome c oxidase subunit Va

Calculated MW:
150 aa, 17 kDa

Observed MW:
13 kDa

Purification Method:
Protein A purification

CloneNo.:
251697F7

Applications

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

Species Specificity:
human, mouse, rat

Background Information

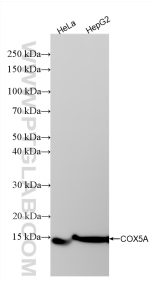
COX5A(Cytochrome c oxidase subunit 5A, mitochondrial)is also named COXVA and belongs to the cytochrome c oxidase subunit 5A family. This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. The mature human COX Va polypeptide shares 35% and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

Storage

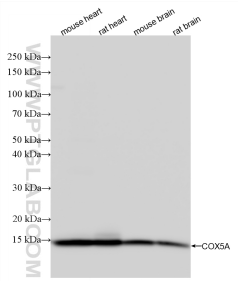
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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. This data was developed using the same antibody clone with 86938-1-PBS in a different storage buffer formulation.



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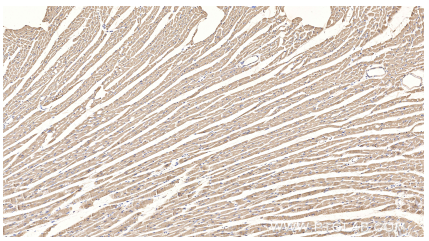
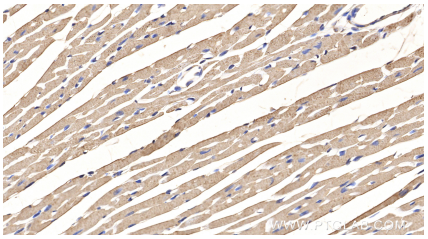
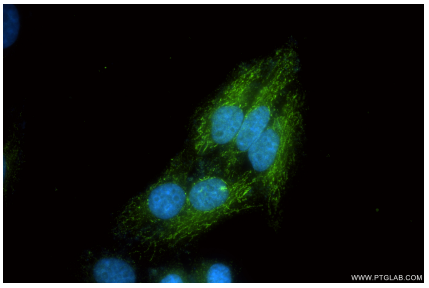


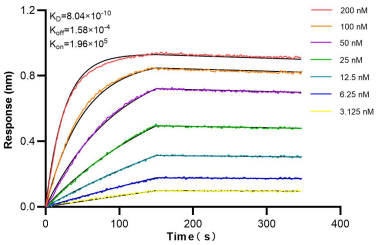
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 86938-1-RR (COX5A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86938-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86938-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86938-1-PBS in a different storage buffer formulation.



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