

COX5B Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17385c**Specification**

COX5B Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P10606 , P19536 , P12075
Other Accession	Q5S3G4 , P00428 , NP_001853.2 , P10606 , P19536 , P12075
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	21-49

COX5B Antibody (Center) - Additional Information**Other Names**

Cytochrome c oxidase subunit 5B, mitochondrial, Cytochrome c oxidase polypeptide Vb, COX5B

Target/Specificity

This COX5B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-49 amino acids from the Central region of human COX5B.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

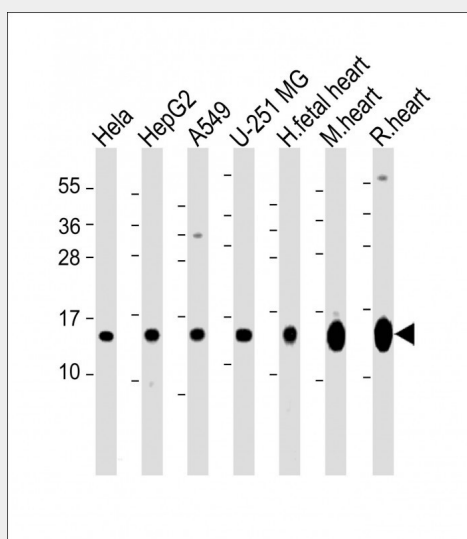
COX5B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

COX5B Antibody (Center) - Protein Information**COX5B Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COX5B Antibody (Center) - Images



All lanes : Anti-COX5B Antibody (Center) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: A549 whole cell lysate Lane 4: U-251 MG whole cell lysate Lane 5: human fetal heart lysate Lane 5: mouse heart lysate Lane 5: rat heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

COX5B Antibody (Center) - 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 mitochondrial- 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.

COX5B Antibody (Center) - References

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)
Chen, Z.X., et al. Cell Death Differ. 17(3):408-420(2010)
Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)

Beauchemin, A.M., et al. Brain Res. Bull. 56 (3-4), 285-297 (2001) :

Wu, H., et al. J. Biol. Chem. 275(42):32491-32498(2000)

COX5B Antibody (Center) - Citations

- [Air-liquid interface enhances oxidative phosphorylation in intestinal epithelial cell line IPEC-J2.](#)