

## ARG41012 anti-COX5B antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes COX5B
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	COX5B
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 32-129 of Human COX5B (NP_001853.2).
Conjugation	Un-conjugated
Alternate Names	Cytochrome c oxidase polypeptide Vb; Cytochrome c oxidase subunit 5B, mitochondrial; COXVB

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	14 kDa	

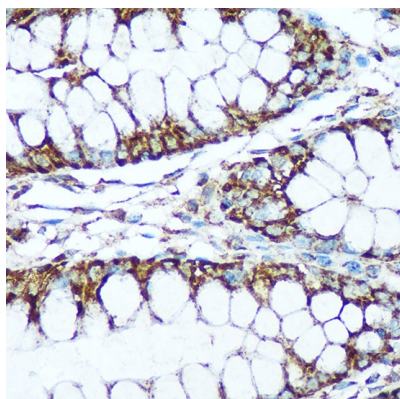
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

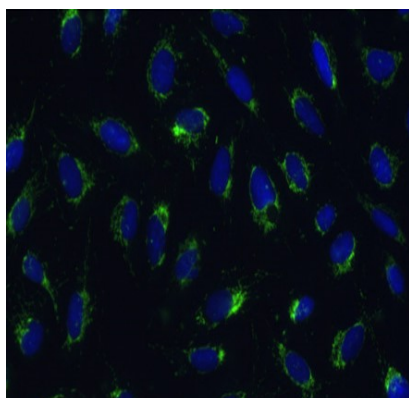
Gene Symbol	COX5B
Gene Full Name	cytochrome c oxidase subunit Vb
Background	Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a 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. [provided by RefSeq, Jul 2008]
Function	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. [UniProt]
Calculated Mw	14 kDa
Cellular Localization	Mitochondrion inner membrane. [UniProt]

## Images



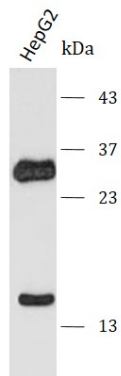
ARG41012 anti-COX5B antibody IHC-P image

Immunohistochemistry: Human colon stained with ARG41012 anti-COX5B antibody at 1:100 dilution.



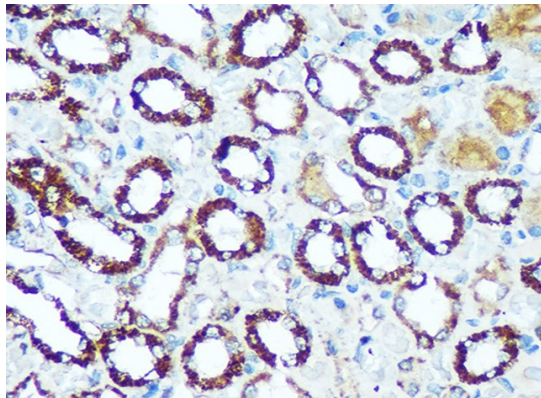
ARG41012 anti-COX5B antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG41012 anti-COX5B antibody at 1:100 dilution.



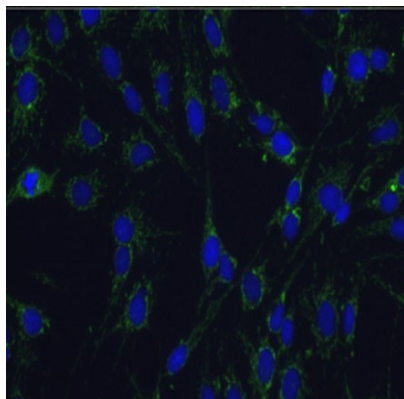
ARG41012 anti-COX5B antibody WB image

Western blot: HepG2 stained with ARG41012 anti-COX5B antibody at 1:1000 dilution.



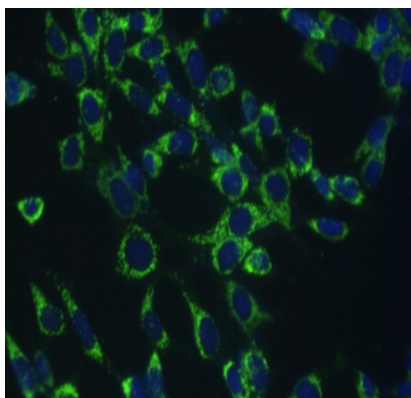
ARG41012 anti-COX5B antibody IHC-P image

Immunohistochemistry: Rat kidney stained with ARG41012 anti-COX5B antibody at 1:100 dilution.



ARG41012 anti-COX5B antibody ICC/IF image

Immunofluorescence: C6 stained with ARG41012 anti-COX5B antibody at 1:100 dilution.



ARG41012 anti-COX5B antibody ICC/IF image

Immunofluorescence: NIH-3T3 stained with ARG41012 anti-COX5B antibody at 1:100 dilution.