

## ARG41033 anti-COX5A antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes COX5A
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	COX5A
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-150 of Human COX5A (NP_004246.2).
Conjugation	Un-conjugated
Alternate Names	Cytochrome c oxidase subunit 5A, mitochondrial; VA; COX-VA; Cytochrome c oxidase polypeptide Va; COX

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	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.	
Positive Control	Mouse skeletal muscle	
Observed Size	17 kDa	

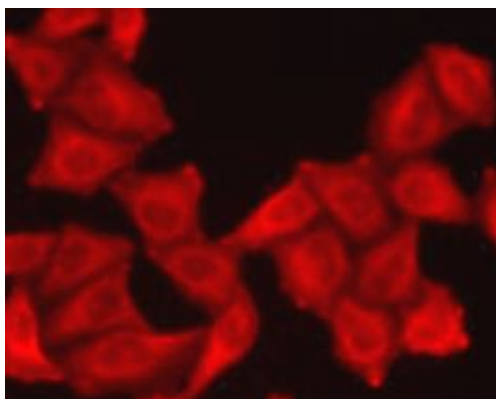
### Properties

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	COX5A
Gene Full Name	cytochrome c oxidase subunit Va
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 of 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 Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22. [provided by RefSeq, Jul 2008]
Function	This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. [UniProt]
Calculated Mw	17 kDa
Cellular Localization	Mitochondrion inner membrane. [UniProt]

## Images



ARG41033 anti-COX5A antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG41033 anti-COX5A antibody.



Mouse skeletal muscle

ARG41033 anti-COX5A antibody WB image

Western blot: 25 µg of Mouse skeletal muscle lysate stained with ARG41033 anti-COX5A antibody at 1:1000 dilution through one-step method.