

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

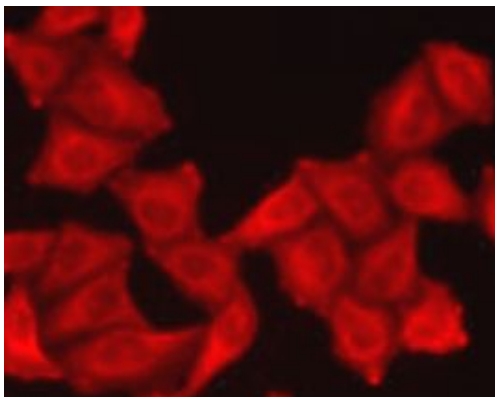
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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.

Note For laboratory research only, not for drug, diagnostic or other 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.