

Product datasheet

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ARG57953 anti-COX7A2L antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes COX7A2L

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name COX7A2L

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-114 of Human COX7A2L (NP_004709.2).

Conjugation Un-conjugated

Alternate Names SIG81; Cytochrome c oxidase subunit 7A-related protein, mitochondrial; COX7RP; COX7a-related

protein; EB1; Cytochrome c oxidase subunit VIIa-related protein; COX7AR

Application Instructions

Application table	Application	Dilution
	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 brain	
Observed Size	13 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 COX7A2L

Gene Full Name cytochrome c oxidase subunit VIIa polypeptide 2 like

Background Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes

the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes a protein similar to polypeptides 1 and 2 of subunit VIIa in the C-terminal region, and also highly similar to the mouse Sig81 protein sequence. This gene is expressed in all tissues, and upregulated in a breast cancer cell line after estrogen treatment. It is possible that this gene represents a regulatory subunit of COX and mediates the higher level of energy production in target cells by

estrogen. [provided by RefSeq, Jul 2008]

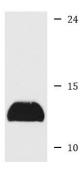
Function Involved in the regulation of oxidative phosphorylation and energy metabolism (By similarity).

Necessary for the assembly of mitochondrial respiratory supercomplex (By similarity). [UniProt]

Calculated Mw 13 kDa

Cellular Localization Mitochondrion inner membrane. [UniProt]

Images



ARG57953 anti-COX7A2L antibody WB image

Western blot: 25 μg of Mouse brain lysate stained with ARG57953 anti-COX7A2L antibody at 1:1000 dilution.

Mouse brain