

## Product datasheet

info@arigobio.com

# 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]

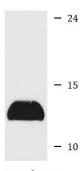
Function Involved in the regulation of oxidative phosphorylation and energy metabolism (By similarity).

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  $\mu g$  of Mouse brain lysate stained with ARG57953 anti-COX7A2L antibody at 1:1000 dilution.

Mouse brain