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COX7A2L Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12338c

Specification

COX7A2L Antibody (Center) Blocking peptide - Product Information

Primary Accession O14548

COX7A2L Antibody (Center) Blocking peptide - Additional Information

Gene ID 9167

Other Names
Cytochrome c oxidase subunit 7A-related protein, mitochondrial, COX7a-related protein, Cytochrome c oxidase subunit VIIa-related protein, EB1, COX7A2L, COX7AR, COX7RP

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

COX7A2L Antibody (Center) Blocking peptide - Protein Information

Name COX7A2L

Synonyms COX7AR, COX7RP

Function
Involved in the regulation of oxidative phosphorylation and energy metabolism (By similarity). Necessary for the assembly of mitochondrial respiratory supercomplex (By similarity).

Cellular Location
Mitochondrion inner membrane.

COX7A2L Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

COX7A2L Antibody (Center) Blocking peptide - Images

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COX7A2L Antibody (Center) Blocking peptide - Background

Cytochrome c oxidase (COX), the terminal component of themitochondrial respiratory chain, catalyzes the electron transferfrom reduced cytochrome c to oxygen. This component is aheteromeric complex consisting of 3 catalytic subunits encoded bymitochondrial genes and multiple structural subunits encoded bynuclear genes. The mitochondrially-encoded subunits function inelectron transfer, and the nuclear-encoded subunits may function inthe regulation and assembly of the complex. This nuclear geneencodes a protein similar to polypeptides 1 and 2 of subunit VIIain the C-terminal region, and also highly similar to the mouseSig81 protein sequence. This gene is expressed in all tissues, andupregulated in a breast cancer cell line after estrogen treatment.It is possible that this gene represents a regulatory subunit ofCOX and mediates the higher level of energy production in targetcells by estrogen.

COX7A2L Antibody (Center) Blocking peptide - References

Fornuskova, D., et al. Biochem. J. 428(3):363-374(2010)Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) :Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008)Schmidt, T.R., et al. J. Mol. Evol. 57(2):222-228(2003)Lee, N., et al. Am. J. Hum. Genet. 68(2):397-409(2001)