Rabbit anti-Human COX7A2L Polyclonal Antibody | anti-COX7A2L antibody

COX7A2L Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA176834	**Rabbit**	**Human**	**ELISA, Immunohistochemistry**

PRODUCT SYNONYMS

COX7A2L; Polyclonal Antibody; COX7A2L Polyclonal Antibody; COX7a related protein; COX7a-related protein; COX7AR; COX7R; COX7RP; Cytochrome c oxidase subunit 7A-related protein; mitochondrial; Cytochrome c oxidase subunit 7A2 like; Cytochrome c oxidase subunit VII-related protein; Cytochrome c oxidase subunit VIIa polypeptide 2 like; Cytochrome c oxidase subunit VIIa related protein; Cytochrome c oxidase subunit VIIa-related protein; EB1; Estrogen receptor binding CpG island; Mitochondrial; SIG81; anti-COX7A2L antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Concentration	0.9mg/mL (varies by lot)
Sequence Length	114
Applicable Applications for anti-COX7A2L antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human COX7A2L
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using COX7A2L Polyclonal Antibody at dilution of 1:35(×200



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using COX7A2L Polyclonal Antibody at dilution of 1:35(×200

ADDITIONAL INFORMATION

Related Product Information for anti-COX7A2L antibody	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.
Product Categories/Family for anti-COX7A2L antibody	Cancer; Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	18105037
NCBI GeneID	9167
NCBI Accession #	NP_004709.2
NCBI GenBank Nucleotide #	NP_004709.2
UniProt Accession #	O14548
NCBI Official Full Name	cytochrome c oxidase subunit 7A-related protein, mitochondrial isoform a
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 7A2 like
NCBI Official Symbol	COX7A2L
NCBI Official Synonym Symbols	EB1; SIG81; COX7AR; COX7RP
NCBI Protein Information	cytochrome c oxidase subunit 7A-related protein, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 7A-related protein, mitochondrial
UniProt Gene Name	**COX7A2L**
UniProt Synonym Gene Names	COX7AR; COX7RP
UniProt Entry Name	COX7R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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