

Rabbit Anti-COX7A1/Cy5 Conjugated antibody

SL14010R-Cy5

Product Name	Anti-COX7A1/Cy5
Chinese Name	Cy5 标记的细胞色素 C 氧化酶蛋白 7A1 抗体
Alias	COX7A; COX7A1; COX7AH; COX7AM; CX7A1_HUMAN; Cytochrome c oxidase subunit 7A1; Cytochrome c oxidase subunit 7A1 mitochondrial; Cytochrome c oxidase subunit VIIa H; Cytochrome c oxidase subunit VIIa heart; Cytochrome c oxidase subunit VIIa heart/muscle isoform; Cytochrome c oxidase subunit VIIa M; Cytochrome c oxidase subunit VIIa muscle; Cytochrome c oxidase subunit VIIa polypeptide 1 (muscle); Cytochrome c oxidase subunit VIIa polypeptide 1; Cytochrome c oxidase subunit VIIa-H; Cytochrome c oxidase subunit VIIa-heart; Cytochrome c oxidase subunit VIIa-M; Cytochrome c oxidase subunit VIIa-muscle; mitochondrial.
Research Area	Tumour Cell biology Signal transduction Cell type markers The new supersedes the old Mitochondrion
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human) ICC/IF=1:50-200,IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	6.7kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human COX7A1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH

7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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 polypeptide 1 (muscle isoform) of subunit VIIa and the polypeptide 1 is present only in muscle tissues. Other polypeptides of subunit VIIa are present in both muscle and nonmuscle tissues, and are encoded by different genes. [provided by RefSeq, Jul 2008]

Function:

This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.

Subcellular Location:

Mitochondrion inner membrane.

Product Detail

Tissue Specificity:

Belongs to the cytochrome c oxidase VIIa family.

Similarity:

Belongs to the cytochrome c oxidase VIIa family.

Database links:

[Entrez Gene: 1346](#) Human

[Omim: 123995](#) Human

[SwissProt: P24310](#) Human

[Unigene: 421621](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.