

Rabbit Anti-COX7B/PE Conjugated antibody

SL14014R-PE

Product Name	Anti-COX7B/PE
Chinese Name	PE 标记的细胞色素 C 氧化酶蛋白 7B 抗体
Alias	COX7B; COX7B_HUMAN; Cytochrome c oxidase chain VIIb; Cytochrome c oxidase polypeptide VIIb; Cytochrome c oxidase subunit 7B; Cytochrome c oxidase subunit 7B mitochondrial; Cytochrome c oxidase subunit VIIb; mitochondrial.
Research Area	Cell biology Signal transduction Mitochondrion
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep) 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	6.4kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human COX7B
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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.
Storage	
Product Detail	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 subunit VIIb, which is highly similar to bovine COX VIIb protein and is found in all tissues. This gene may have several pseudogenes on chromosomes 1, 2, 20 and 22. [provided by RefSeq, Jun 2011]

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.

Similarity:

Belongs to the cytochrome c oxidase VIIb family.

Database links:

[Entrez Gene: 1349](#) Human

[Entrez Gene: 66142](#) Mouse

[Entrez Gene: 303393](#) Rat

[Omim: 603792](#) Human

[SwissProt: P24311](#) Human

[SwissProt: P56393](#) Mouse

[SwissProt: P80431](#) Rat

[Unigene: 522699](#) Human

[Unigene: 197728](#) Mouse

[Unigene: 2026](#) Rat

Important Note:

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