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Rabbit Anti-CYC1/PE Conjugated antibody

SL14135R-PE

Product Name	Anti-CYC1/PE
Chinese Name	PE 标记的细胞色素 C1 抗体
Alias	Complex III subunit 4; Complex III subunit IV; CY1_HUMAN; CYC1; Cytochrome b c1 complex subunit 4; Cytochrome b-c1 complex subunit 4; Cytochrome bc1 complex subunit 4; Cytochrome c 1; Cytochrome c-1; Cytochrome c1, heme protein, mitochondrial; Ubiquinol cytochrome c reductase complex cytochrome c1 subunit; Ubiquinol-cytochrome-c reductase complex cytochrome c1 subunit; UQCR4.
Research Area	Cell biology Signal transduction transcriptional regulatory factor Cell type markers The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Pig,Cow,Monkey)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	27kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CYC1
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.
Product Detail	**background:** Cytochrome c1 is a component of the ubiquinol-cytochrome c reductase complex, which is a respiratory chain that generates an electrochemical

potential, coupled to ATP synthesis. Specifically, cytochrome c transfers electrons from the cytochrome bc1 complex to cytochrome c oxidase by transiently binding to the complex. The bc1 complex contains 11 subunits: 3 respiratory subunits (cytochrome b, cytochrome c1 and Rieske/UQCRFS1), 2 core proteins (UQCRC1/QCR1 and UQCRC2/QCR2) and 6 low-molecular weight proteins (UQCRH/QCR6, UQCRB/QCR7, UQCRQ/QCR8, UQCR10/QCR9, UQCR11/QCR10 and a cleavage product of Rieske/UQCRFS1). Cytochrome c1 binds one heme per subunit as a result of a mutation-induced collapse of the di-heme cytochrome structure. The cytochrome c1 gene is thought to be regulated by E2F and Sp1 transcription factors.

Function:
This is the heme-containing component of the cytochrome b-c1 complex, which accepts electrons from Rieske protein and transfers electrons to cytochrome c in the mitochondrial respiratory chain.

Subcellular Location:
Mitochondrion inner membrane.

Post-translational modifications:
Binds 1 heme group per subunit.

Similarity:
Belongs to the cytochrome c family.
Contains 1 cytochrome c domain.

Database links:

Entrez Gene: 1537 Human

Entrez Gene: 512500 Cow

Entrez Gene: 66445 Mouse

Omim: 123980 Human

SwissProt: P00125 Cow

SwissProt: P08574 Human

SwissProt: Q9D0M3 Mouse

Unigene: 1808 Cow

Unigene: 289271 Human

Unigene: 29196 Mouse

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