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[Primary Antibody]

Rabbit Anti-CYC1 antibody

Catalog Number: SL14135R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CYC1
Immunogen:	KLH conjugated synthetic peptide derived from human CYC1: 231-325/325
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Pig,Cow,Monkey)
Predicted MW.:	27kDa
Subcellular Location:	The cell membrane
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

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	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

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