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CYCS Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20772c

Product Information

Application	WB, E
Primary Accession	P99999
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB48504
Calculated MW	11749

Additional Information

Gene ID	54205
Other Names	Cytochrome c, CYCS, CYC
Target/Specificity	This CYCS antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 21-55 amino acids from the Central region of human CYCS.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CYCS Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CYCS
Synonyms	CYC
Function	Electron carrier protein. The oxidized form of the cytochrome c heme group can accept an electron from the heme group of the cytochrome c1 subunit of cytochrome reductase. Cytochrome c then transfers this electron to the cytochrome oxidase complex, the final protein carrier in the mitochondrial

electron-transport chain.

Cellular Location Mitochondrion intermembrane space. Note=Loosely associated with the inner membrane

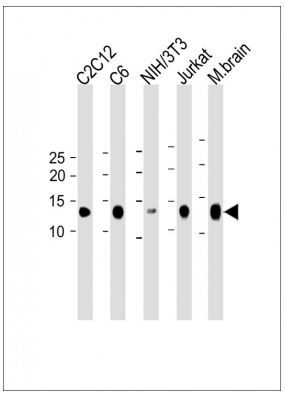
Background

Electron carrier protein. The oxidized form of the cytochrome c heme group can accept an electron from the heme group of the cytochrome c1 subunit of cytochrome reductase. Cytochrome c then transfers this electron to the cytochrome oxidase complex, the final protein carrier in the mitochondrial electron-transport chain.

References

Evans M.J.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:9625-9629(1988).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Hillier L.W.,et al.Nature 424:157-164(2003).

Images



All lanes: Anti-CYCS Antibody (Center) at 1:2000 dilution Lane 1: C2C12 whole cell lysate Lane 2: C6 whole cell lysate Lane 3: NIH/3T3 whole cell lysate Lane 4: Jurkat whole cell lysate Lane 5: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 12 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Citations

- Mitochondrial transplantation reduces lower limb ischemia-reperfusion injury by increasing skeletal muscle energy and adipocyte browning