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SDHC Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21871b

Product Information

Application	WB, E
Primary Accession	Q99643
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53690
Calculated MW	18610

Additional Information

Gene ID	6391
Other Names	Succinate dehydrogenase cytochrome b560 subunit, mitochondrial, Integral membrane protein CII-3, QPs-1, QPs1, Succinate dehydrogenase complex subunit C, Succinate-ubiquinone oxidoreductase cytochrome B large subunit, CYBL, SDHC, CYB560, SDH3
Target/Specificity	This SDHC antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 113-144 amino acids from human SDHC.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	SDHC Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SDHC
Synonyms	CYB560, SDH3
Function	Membrane-anchoring subunit of succinate dehydrogenase (SDH) that is

	involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q) (PubMed:9533030). SDH also oxidizes malate to the non-canonical enol form of oxaloacetate, enol-oxaloacetate (By similarity). Enol-oxaloacetate, which is a potent inhibitor of the succinate dehydrogenase activity, is further isomerized into keto- oxaloacetate (By similarity).
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein

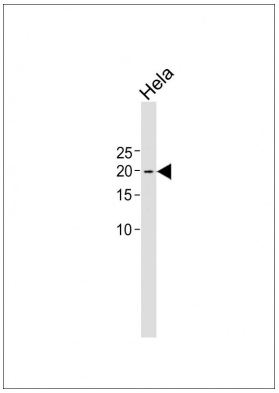
Background

Membrane-anchoring subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q).

References

Au H.C.,et al.Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases.
Hirawake H.,et al.Cytogenet. Cell Genet. 79:132-138(1997).
Elbehti-Green A.,et al.Gene 213:133-140(1998).
Wohllk N.,et al.Mol. Genet. Metab. 65:187-190(1998).
Hiatomi H.,et al.Submitted (OCT-2005) to the EMBL/GenBank/DDBJ databases.

Images



All lanes: Anti-SDHC Antibody (C-Term) at 1:1000 dilution + Hela whole cell 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: 19 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.