Datasheet for ABIN7144865

anti-ATP5C1 antibody (AA 156-266) (Biotin)

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Overview

Quantity:	100 µg
Target:	ATP5C1
Binding Specificity:	AA 156-266
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5C1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human ATP synthase subunit gamma, mitochondrial protein (156-266AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ATP5C1
Alternative Name:	ATP5C1 (ATP5C1 Products)
Background:	Background: Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is

Target Details

	generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(1) domain and the central stalk which is part of the complex rotary element. The gamma subunit protrudes into the catalytic domain formed of alpha(3)beta(3). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits. Aliases: ATP synthase gamma chain, mitochondrial antibody, ATP synthase subunit gamma antibody, ATP synthase subunit gamma, mitochondrial antibody, ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1 antibody, ATP synthase, H+ transporting, mitochondrial F1 complex, gamma subunit antibody, ATP5C 1 antibody, ATP5C antibody, ATP5C1 antibody, ATP5CL1 antibody, ATPG_HUMAN antibody, F ATPase gamma subunit antibody, F-ATPase gamma subunit antibody, mitochondrial antibody, Mitochondrial ATP synthase, gamma subunit 1 antibody
UniProt:	P36542
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.