Datasheet for ABIN7144823

anti-ATP5F1 antibody (AA 1-245)

2 Images

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Overview

Quantity:	100 µL
Target:	ATP5F1
Binding Specificity:	AA 1-245
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5F1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human ATP synthase F(0) complex subunit B1, mitochondrial protein (1-245AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	ATP5F1
Alternative Name:	ATP5F1 (ATP5F1 Products)
Background:	Background: Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is

Target Details

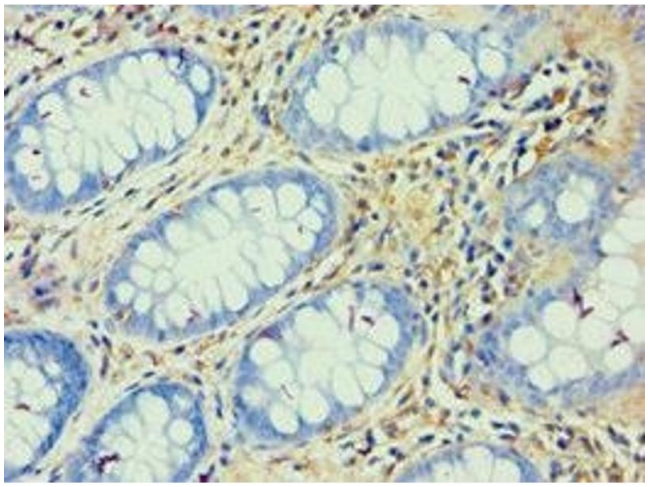
	generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing the extramembraneous catalytic core, and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements. Aliases: AT5F1_HUMAN antibody, ATP synthase B chain mitochondrial antibody, ATP synthase subunit b antibody, ATP synthase subunit b mitochondrial antibody, ATP synthase, H+ transporting, mitochondrial F0 complex, subunit b, antibody, ATP synthase, H+ transporting, mitochondrial F0 complex, subunit b, isoform 1 antibody, ATP synthase, H+ transporting, mitochondrial F0 complex, subunit B1 antibody, ATP5F1 antibody, ATPase subunit b antibody, Cell proliferation inducing protein 47 antibody, H+ ATP synthase subunit b antibody, MGC24431 antibody, mitochondrial antibody, PIG47 antibody
UniProt:	P24539
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200,
Restrictions:	For Research Use only

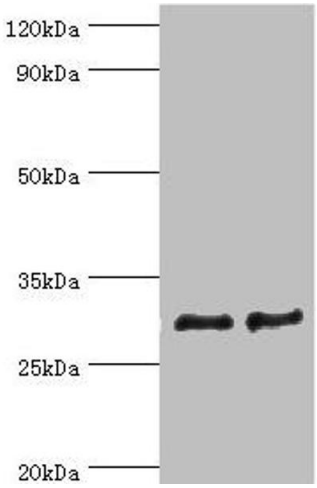
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: 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.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7144823 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: ATP synthase F (0) complex subunit B1, mitochondrial antibody at 4 µg/mL Lane 1: Mouse heart tissue Lane 2: Mouse skeletal muscle tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 29 kDa Observed band size: 29 kDa

