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Datasheet for ABIN1881090

anti-ATP5F1 antibody (AA 161-195)

1 Image

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Overview

Quantity:	400 µL
Target:	ATP5F1
Binding Specificity:	AA 161-195
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5F1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ATP5F1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 161-195 amino acids from the Central region of human ATP5F1.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ATP5F1
Alternative Name:	ATP5F1 (ATP5F1 Products)
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 generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural

Target Details

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(0) domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha(3)beta(3) subcomplex and subunit a/ATP6 static relative to the rotary elements.

Molecular Weight: 28909

NCBI Accession: [NP_001679](#)

UniProt: [P24539](#)

Pathways: [Proton Transport](#), [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

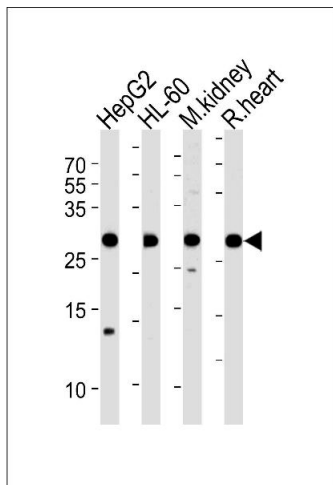
Storage: 4 °C, -20 °C

Expiry Date: 6 months

Publications

Product cited in: Si, Ali, Latip, Fauzi, Budin, Zainalabidin: "Roselle is cardioprotective in diet-induced obesity rat model with myocardial infarction." in: **Life sciences**, Vol. 191, pp. 157-165, (2017) ([PubMed](#)).

Yida, Imam, Ismail, Ooi, Sarega, Azmi, Ismail, Chan, Hou, Yusuf: "Edible Bird's Nest Prevents High Fat Diet-Induced Insulin Resistance in Rats." in: **Journal of diabetes research**, Vol. 2015, pp. 760535, (2016) ([PubMed](#)).



Western Blotting

Image 1. ATP5F1 Antibody (Center) (ABIN1881090 and ABIN2838447) western blot analysis in HepG2,HL-60 cell line,mouse kidney and rat heart tissue lysates (35 μ g/lane).This demonstrates the ATP5F1 antibody detected the ATP5F1 protein (arrow).