

Datasheet for ABIN629673

anti-ATP5B antibody (C-Term)

2 Images



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ATP5B
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	ATP5 B antibody was raised using the C terminal of ATP5 corresponding to a region with amino acids MGKLVPLKETIKGFQQILAGEYDHLPEQAFYMGVPIEEAVAKADKLAEEH
Specificity:	ATP5 B antibody was raised against the C terminal of ATP5
Purification:	Purified

Target Details

Target:	ATP5B
Alternative Name:	ATP5B
Background:	ATP5B is a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes:

Target Details

the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). ATP5B is the beta subunit of the catalytic core.

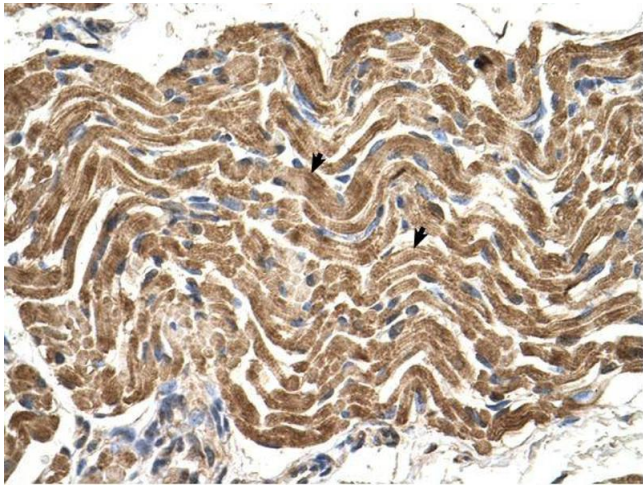
Molecular Weight:	52 kDa (MW of target protein)
Pathways:	Proton Transport , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB: 1.25 µg/mL Optimal conditions should be determined by the investigator.
Comment:	ATP5B Blocking Peptide, (ABIN5612222), is also available for use as a blocking control in assays to test for specificity of this ATP5B antibody
Restrictions:	For Research Use only

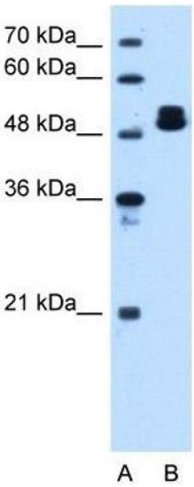
Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ATP0 antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. ATP5B antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X



Western Blotting

Image 2. ATP5B antibody used at 1.25 ug/ml to detect target protein.