

Datasheet for ABIN7144842

anti-ATP5B antibody (AA 230-529) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ATP5B
Binding Specificity:	AA 230-529
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5B antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human ATP synthase subunit beta, mitochondrial protein (230-529AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ATP5B
Alternative Name:	ATP5B (ATP5B 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. Subunits alpha and beta form the catalytic core in F(1). 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 5B antibody, ATP synthase H⁺ transporting mitochondrial F1 complex beta polypeptide antibody, ATP synthase subunit beta mitochondrial antibody, ATP synthase subunit beta, mitochondrial antibody, atp5b antibody, ATPB antibody, ATPB_HUMAN antibody, ATPMB antibody, ATPSB antibody, Epididymis secretory protein Li 271 antibody, HEL-S-271 antibody, Mitochondrial ATP synthase beta subunit antibody, Mitochondrial ATP Synthase Subunit Beta antibody, Mitochondrial ATP synthetase beta subunit antibody

UniProt: [P06576](#)

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.