Datasheet for ABIN950558

anti-ATP Synthase Subunit gamma (AtpC) (AA 46-76), (N-Term), (Subunit gamma) antibody

3 Images

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Overview

Quantity:	0.4 mL
Target:	ATP Synthase Subunit gamma (AtpC)
Binding Specificity:	AA 46-76, N-Term, Subunit gamma
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide between 46~76 amino acids from the N-terminal region of human ATP5C1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ATP synthase subunit gamma.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	ATP Synthase Subunit gamma (AtpC)

Target Details

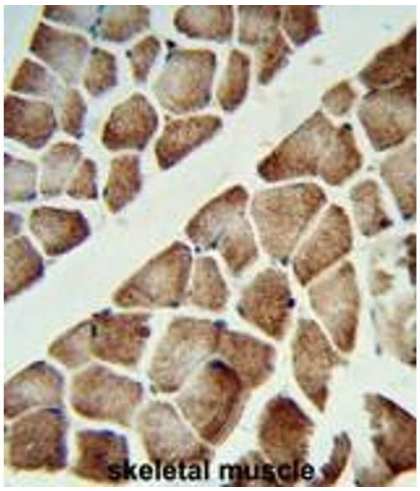
Alternative Name:	ATP Synthase Subunit gamma (AtpC Products)
Background:	ATP5C1 encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: 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.Synonyms: ATP5C, ATP5C1, ATP5CL1, Complex V gamma subunit, F1F0-ATPase gamma subunit, mitochondrial ATP synthase subunit gamma
Gene ID:	509
NCBI Accession:	NP_001001973
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
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

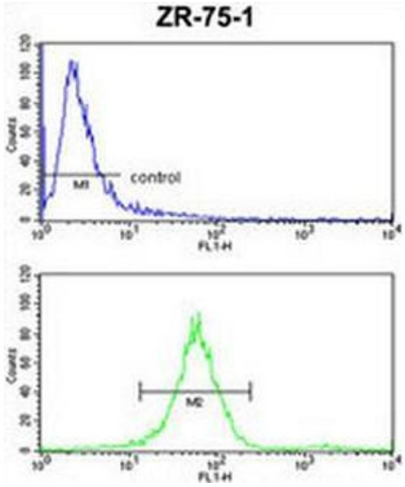


Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human skeletal muscle reacted with ATP5C1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of ATP5C1 Antibody (N-term) in HL-60 cell line lysates (35µg/lane).ATP5C1 (arrow) was detected using the purified Pab.



Flow Cytometry

Image 3. ATP5C1 Antibody (N-term) FC analysis of ZR-75-1 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.