Rabbit ATP5C1 Polyclonal Antibody | anti-ATP5C1 antibody

ATP5C1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290419	**Rabbit**	**Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat)**	**Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

ATP5C1; Polyclonal Antibody; ATP5C1 Antibody (N-term); ATP synthase subunit gamma; mitochondrial; F-ATPase gamma subunit; ATP5C; ATP5CL1; anti-ATP5C1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ATP5C1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-67 amino acids from the N-terminal region of human ATP5C1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	40-67
Sequence Length	297
Applicable Applications for anti-ATP5C1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

FCM/FACS (Flow Cytometry)
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.

IHC (Immunohiostchemistry)
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.

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

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5C1 antibody	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.
Product Categories/Family for anti-ATP5C1 antibody	Metabolism; Signal Transduction
References	Wheeler,H.E., et.al, PLoS Genet. 5 (10), E1000685 (2009) Wang,L., et.al, Cancer Epidemiol. Biomarkers Prev. 17 (12), 3558-3566 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345988
NCBI GeneID	509
NCBI Accession #	NP_001001973.1; NP_005165.1
NCBI GenBank Nucleotide #	NM_001001973.1
UniProt Accession #	P36542; Q5VYP3; Q6I9V2; Q96AS8; A8KA31
Molecular Weight	32996
NCBI Official Full Name	ATP synthase subunit gamma, mitochondrial isoform L (liver)
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1
NCBI Official Symbol	ATP5C1
NCBI Official Synonym Symbols	ATP5C; ATP5CL1
NCBI Protein Information	ATP synthase subunit gamma, mitochondrial
UniProt Protein Name	ATP synthase subunit gamma, mitochondrial
UniProt Gene Name	**ATP5C1**
UniProt Synonym Gene Names	ATP5C; ATP5CL1
UniProt Entry Name	ATPG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/atp5c1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290419