

Rabbit ATP5G1 Polyclonal Antibody | anti-ATP5G1 antibody

ATP5G1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290733	Rabbit	Human, Rat(Predicted Reactivity: Bovine, Mouse, Pig, Sheep)	ELISA, Western Blot

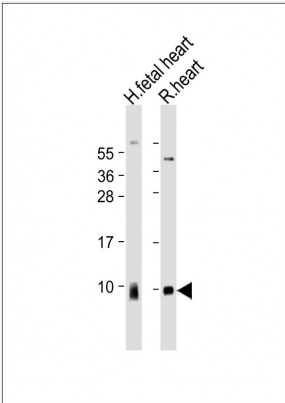
PRODUCT SYNONYMS

ATP5G1; Polyclonal Antibody; ATP5G1 Antibody (Center); ATP synthase F(0) complex subunit C1; mitochondrial; ATP synthase lipid-binding protein; ATP synthase proteolipid P1; ATP synthase proton-transporting mitochondrial F(0) complex subunit C1; ATPase protein 9; ATPase subunit c; anti-ATP5G1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat (Predicted Reactivity: Bovine, Mouse, Pig, Sheep)
Clonality	Polyclonal
Isotype	Ig
Specificity	This ATP5G1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 41-71 amino acids from the Central region of human ATP5G1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	136
Applicable Applications for anti-ATP5G1 antibody	ELISA, WB (Western Blot)
Cellular Location	Mitochondrion membrane; Multi-pass membrane protein.
Function	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 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. A homomeric c-ring of probably 10 subunits is part of the complex rotary element.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
All lanes : Anti-ATP5G1 Antibody (Center) at 1:2000 dilution
Lane 1: human fetal heart lysate
Lane 2: rat heart lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 14 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5G1 antibody	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 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. A homomeric c-ring of probably 10 subunits is part of the complex rotary element.
Product Categories/Family for anti-ATP5G1 antibody	Primary Antibodies; Metabolism; Signal Transduction
References	Dyer M.R.,et al.Biochem. J. 293:51-64 (1993). Higuti T.,et al.Biochim. Biophys. Acta 1173:87-90 (1993). Wiemann S.,et al.Genome Res. 11:422-435 (2001). Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases. Farrell L.B.,et al.Biochem. Biophys. Res. Commun. 144:1257-1264 (1987).

NCBI AND UNIPROT INFORMATION

NCBI GI #	50659069
NCBI GeneID	516
NCBI Accession #	NP_001002027.1
NCBI GenBank Nucleotide #	NM_001002027.1
UniProt Accession #	P05496; P32876; Q9CR84; A1XQS5; Q06645; P17605; P07926; Q06055; P56383; Q5RAP9; Q06646; Q06056; Q3ZC75; P48201; P56384; Q5RFL2; Q71S46
Molecular Weight	14277 Da
NCBI Official Full Name	ATP synthase F(0) complex subunit C1, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial Fo complex subunit C1 (subunit 9)
NCBI Official Symbol	ATP5G1
NCBI Official Synonym Symbols	ATP5A; ATP5G
NCBI Protein Information	ATP synthase F(0) complex subunit C1, mitochondrial
UniProt Protein Name	ATP synthase F(0) complex subunit C1, mitochondrial

UniProt Gene Name	ATP5G1
UniProt Entry Name	AT5G1_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/atp5g1-antibody-western-blot-elisa/290733>