

Rabbit ATP5G1 Polyclonal Antibody | anti-ATP5G1 antibody

ATP5G1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327860	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ATP5G1; Polyclonal Antibody; ATP5G1 Antibody; AT5G1_HUMAN; ATP synthase F(0) complex subunit C1; ATP synthase F(0) complex subunit C1 mitochondrial; ATP synthase H⁺ transporting mitochondrial Fo complex; subunit C1 (subunit 9); ATP synthase lipid binding protein; ATP synthase lipid-binding protein; ATP synthase lipid-binding protein mitochondrial; ATP synthase proteolipid P1; ATP synthase proton transporting mitochondrial F(0) complex subunit C1; ATP synthase proton-transporting mitochondrial F(0) complex subunit C1; ATP5A; ATP5G; ATPase protein 9; ATPase subunit 9; ATPase subunit c; mitochondrial; Mitochondrial ATP synthase subunit C isoform 1; anti-ATP5G1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ATP5G1 antibody detects endogenous levels of total ATP5G1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	136
Applicable Applications for anti-ATP5G1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ATP5G1
Subcellular Location	Mitochondrion Membrane.
Predicted Cross Reactivity	Pig, Bovine, Sheep
Similarity	Pig (100%), Bovine (100%), Sheep (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327860 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of ATP5G1 using HepG2 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5G1 antibody	Function: Mitochondrial membrane ATP synthase (F1F0 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, F1-containing the extramembraneous catalytic core and F0-containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain. A homomeric c-ring of probably 10 subunits is part of the complex rotary element. Subunit Structure: F-type ATPases have 2 components, CF1-the catalytic core-and CF0-the membrane proton channel. CF1 has five subunits: alpha3, beta3, gamma1, delta1, epsilon1. CF0 has three main subunits: a, b and c. Component of an ATP synthase complex composed of ATP5F1, ATP5MC1, ATP5F1E, ATP5H, ATP5I, ATP5J, ATP5J2, MT-ATP6, MT-ATP8, ATP5F1A, ATP5F1B, ATP5F1D, ATP5F1C, ATP5O, ATP5L, USMG5 and MP68 (By similarity). Similarity: Belongs to the ATPase C chain family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50659069
NCBI GeneID	516
NCBI Accession #	NP_001002027.1
NCBI GenBank Nucleotide #	NM_001002027.1
UniProt Accession #	P05496
Molecular Weight	Observed: 14 kDa Predicted: 15 kDa
NCBI Official Full Name	ATP synthase F(0) complex subunit C1, mitochondrial
NCBI Official Synonym Full Names	ATP synthase membrane subunit c locus 1
NCBI Official Symbol	ATP5MC1
NCBI Official Synonym Symbols	ATP5A; ATP5G; ATP5G1
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	ATP5MC1
UniProt Synonym Gene Names	ATP5G1ImportedManual assertion inferred from database entriesiHGNC:841

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.