Rabbit ATP5F1 Polyclonal Antibody | anti-ATP5F1 antibody

ATP5F1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322969	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

ATP5F1; Polyclonal Antibody; ATP5F1 Antibody; AT5F1_HUMAN; ATP synthase B chain mitochondrial; ATP synthase subunit b; ATP synthase subunit b mitochondrial; ATP synthase; H+ transporting; mitochondrial F0 complex; subunit b; ; isoform 1; subunit B1; ATPase subunit b; Cell proliferation inducing protein 47; H+ ATP synthase subunit b; MGC24431; mitochondrial; PIG47; anti-ATP5F1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ATP5F1 antibody detects endogenous levels of ATP5F1.
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	256
Applicable Applications for anti-ATP5F1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ATP5F1.
Subcellular Location	Mitochondrion. Mitochondrion Inner Membrane.
Predicted Cross Reactivity	**Bovine, Chicken**
Similarity	Bovine (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of extracts of mouse heart tissue, using ATP5F1 antibody.

IHC (Immunohistochemistry)
AAA322969 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.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5F1 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 and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements. 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 eukaryotic ATPase B chain family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361565
NCBI GeneID	515
NCBI Accession #	NP_001679.2
NCBI GenBank Nucleotide #	NM_001688.4
UniProt Accession #	P24539; Q9BQ68; Q9BRU8
Molecular Weight	Observed: 25 kDa Predicted: 29 kDa
NCBI Official Full Name	ATP synthase F(0) complex subunit B1, mitochondrial
NCBI Official Synonym Full Names	ATP synthase peripheral stalk-membrane subunit b
NCBI Official Symbol	ATP5PB
NCBI Official Synonym Symbols	PIG47; ATP5F1
NCBI Protein Information	ATP synthase F(0) complex subunit B1, mitochondrial
UniProt Protein Name	ATP synthase F(0) complex subunit B1, mitochondrial
UniProt Gene Name	**ATP5PB**
UniProt Synonym Gene Names	ATPase subunit b

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/atp5f1-antibody-immunohistochemistry-western-blot-elisa/322969