Rabbit anti-Human, Mouse ATP5F1 Polyclonal Antibody | anti-ATP5F1 antibody

Rabbit anti-ATP5F1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213257	**Rabbit**	**Human, Mouse**	**Immunoprecipitation, Western Blot**

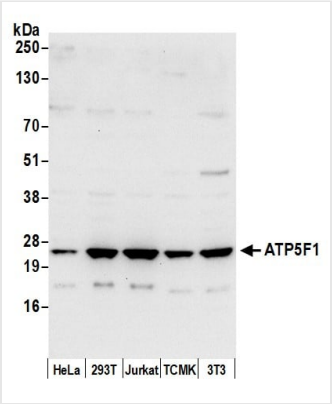
PRODUCT SYNONYMS

ATP5F1; Polyclonal Antibody; Rabbit anti-ATP5F1 Antibody; Affinity Purified; ATP synthase; H+ transporting; mitochondrial F0 complex; subunit B1; H+-ATP synthase subunit b; cell proliferation-inducing protein 47; ATPase subunit b; ATP synthase B chain; mitochondrial; mitochondrial Fo complex subunit B1; PIG47; ATP synthase subunit b; ATP synthase proton-transporting mitochondrial F(0) complex subunit B1; ATP synthase peripheral stalk-membrane subunit b; ATP synthase F(0) complex subunit B1; subunit b; anti-ATP5F1 antibody

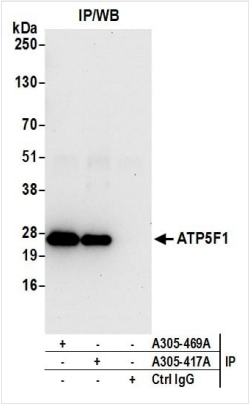
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ATP5F1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Bovine, Orangutan
Immunogen	Between 206 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)
Detection of human and mouse ATP5F1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ATP5F1 antibody AAA213257 (lot AAA213257-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)
Detection of human ATP5F1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ATP5F1 antibody AAA213257 (lot AAA213257-1) used for IP at 6 ug per reaction. ATP5F1 was also immunoprecipitated by rabbit anti-ATP5F1 antibody For blotting immunoprecipitated ATP5F1, AAA213257 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5F1 antibody	ATP5F1 is the b subunit of the proton channel complex 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. The proton channel seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8) [taken from NCBI Entrez Gene (Gene ID: 515)].
Product Categories/Family for anti-ATP5F1 antibody	Primary Antibodies

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	28,909 Da
NCBI Official Full Name	ATP synthase F(0) complex subunit B1, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial Fo complex subunit B1
NCBI Official Symbol	ATP5F1
NCBI Official Synonym Symbols	PIG47
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	**ATP5F1**
UniProt Synonym Gene Names	ATPase subunit b

UniProt Entry Name	AT5F1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/atp5f1-antibody-immunoprecipitation-western-blot-elisa/213257