

Rabbit anti-Human, Mouse ATP5I Polyclonal Antibody | anti-ATP5I antibody

Rabbit anti-ATP5I Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213308	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

ATP5I; Polyclonal Antibody; Rabbit anti-ATP5I Antibody; Affinity Purified; ATP synthase; H⁺ transporting; mitochondrial Fo complex subunit E; F1F0-ATP synthase; murine e subunit; ATPase subunit e; mitochondrial F0 complex; subunit E; ATP synthase subunit e; mitochondrial; ATP synthase membrane subunit e; ATP synthase e chain; ATP5K; anti-ATP5I 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-ATP5I antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 19 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 ATP5I 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-ATP5I antibody AAA213308 (lot AAA213308-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human ATP5I 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-ATP5I antibody AAA213308 (lot AAA213308-1) used for IP at 6 ug per reaction. ATP5I was also immunoprecipitated by rabbit anti-ATP5I antibody BL21932. For blotting immunoprecipitated ATP5I, AAA213308 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5I antibody

Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The Fo seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). ATP5I is the e subunit of the Fo complex [taken from NCBI Entrez Gene (Gene ID: 521)].

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005717
NCBI GeneID	521
NCBI Accession #	NP_009031.1
NCBI GenBank Nucleotide #	NM_007100.3
UniProt Accession #	P56385; Q0D2L9
Molecular Weight	7,933 Da
NCBI Official Full Name	ATP synthase subunit e, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit E
NCBI Official Symbol	ATP5I
NCBI Official Synonym Symbols	ATP5K
NCBI Protein Information	ATP synthase subunit e, mitochondrial; ATPase subunit e; ATP synthase e chain, mitochondrial; F1F0-ATP synthase, murine e subunit; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E
UniProt Protein Name	ATP synthase subunit e, mitochondrial
UniProt Gene Name	ATP5I
UniProt Synonym Gene Names	ATP5K; ATPase subunit e
UniProt Entry Name	ATP5I_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/atp5i-antibody-immunoprecipitation-western-blot-elisa/213308>