

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

ATP5I Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324479	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ATP5I; Polyclonal Antibody; ATP5I Antibody; ATP 5I; ATP 5K; ATP synthase e chain mitochondrial; ATP synthase H⁺ transporting mitochondrial F0 complex subunit E; ATP synthase subunit e; ATP synthase subunit e mitochondrial; ATP5I_HUMAN; ATP5K; ATPase subunit e; F1F0 ATP synthase murine e subunit; MGC12532; mitochondrial; anti-ATP5I antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ATP5I antibody detects endogenous levels of total ATP5I
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	69
Applicable Applications for anti-ATP5I antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion. Mitochondrion Inner Membrane.
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 from COLO cells, using ATP5I antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324479 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5I 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. Minor subunit located with subunit a in the membrane. Subunit Structure: F-type ATPases have 2 components, CF1-the catalytic core-and CF0-the membrane proton channel. CF0 seems to have nine subunits: a, b, c, d, e, f, g, F6 and 8 (or A6L). 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 e subunit family.
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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	Observed: 8 kD Predicted: 8 kDa
NCBI Official Full Name	ATP synthase subunit e, mitochondrial
NCBI Official Synonym Full Names	ATP synthase membrane subunit e
NCBI Official Symbol	ATP5ME
NCBI Official Synonym Symbols	ATP5I; ATP5K
NCBI Protein Information	ATP synthase subunit e, mitochondrial
UniProt Protein Name	ATP synthase subunit e, mitochondrial
UniProt Gene Name	ATP5ME
UniProt Synonym Gene Names	ATPase subunit e

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-immunocytochemistry-immunofluorescence-western-blot-elisa/324479>