

Rabbit ATP5A1 Polyclonal Antibody | anti-ATP5A1 antibody

ATP5A1 Antibody

CATALOG # AAA324482	HOST Rabbit	REACTIVITY Human, Mouse, Rat
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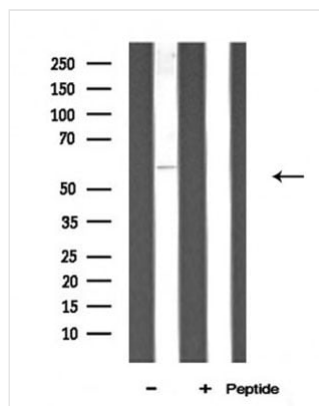
PRODUCT SYNONYMS

ATP5A1; Polyclonal Antibody; ATP5A1 Antibody; ATP synthase alpha chain; mitochondrial; ATP synthase subunit alpha; ATP synthase subunit alpha mitochondrial; ATP synthase; H⁺ transporting; mitochondrial F1 complex; alpha subunit 1; cardiac muscle; alpha subunit; 1; isoform 1; isoform 2; non-cardiac muscle-like 2; ATP synthase (F1 ATPase) alpha subunit; ATP5A; Atp5a1; ATP5AL2; ATPA_HUMAN; ATPM; Epididymis secretory sperm binding protein Li 123m; hATP1; HEL-S-123m; MC5DN4; Mitochondrial ATP synthetase; Mitochondrial ATP synthetase oligomycin resistant; Modifier of Min 2 mouse homolog; Modifier of Min 2; mouse; homolog of; MOM2; OMR; ORM; OTTHUMP00000163475; anti-ATP5A1 antibody

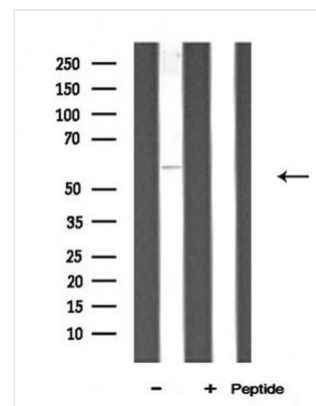
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	ATP5A1 Antibody detects endogenous levels of total ATP5A1.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mMNaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Immunogen	A synthesized peptide derived from human ATP5A1,corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

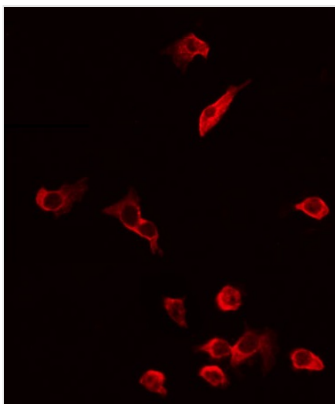
IMAGES


WB (Western Blot)

Western blot analysis of ATP5A1 expression in Mouse brain lysate


WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells using ATP5A1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324482 staining 293 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-ATP5A1 antibody	Mitochondrial membrane ATP synthase (F(1)F(0) 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, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Subunits alpha and beta form the catalytic core in F(1). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50345982
NCBI GeneID	498
NCBI Accession #	NP_001001935.1
NCBI GenBank Nucleotide #	NM_001001935.2
UniProt Accession #	P25705; Q53XX6; Q8IXV2; Q96FB4; Q96HW2; Q96IR6; Q9BTV8; A8K092; B4DY56; K7ENP3
Molecular Weight	60 KD
NCBI Official Full Name	ATP synthase subunit alpha, mitochondrial isoform c
NCBI Official Synonym Full Names	ATP synthase F1 subunit alpha
NCBI Official Symbol	ATP5F1A
NCBI Official Synonym Symbols	OMR; ORM; ATPM; MOM2; ATP5A; hATP1; ATP5A1; MC5DN4; ATP5AL2; COXPD22; HEL-S-123m
NCBI Protein Information	ATP synthase subunit alpha, mitochondrial
UniProt Protein Name	ATP synthase subunit alpha, mitochondrial
UniProt Gene Name	ATP5F1A
UniProt Synonym Gene Names	ATP5A; ATP5A1ImportedManual assertion inferred from database entriesiHGNC:823; ATP5AL2ImportedManual assertion inferred from database entriesiHGNC:823; ATPMImportedManual assertion inferred from database entriesiHGNC:823

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://www.aaabiotech.com/polyclonal/atp5a1-antibody-elisa/324482>