Rabbit ATP5A1 Polyclonal Antibody | anti-ATP5A1 antibody

ATP5A1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284811	**Rabbit**	**Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)**	**Immunohistochemistry, ELISA, Western Blot**

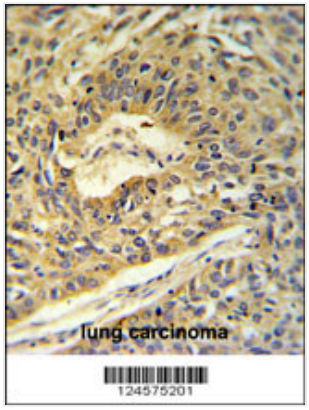
PRODUCT SYNONYMS

ATP5A1; Polyclonal Antibody; ATP5A1 Antibody (C-term); ATP synthase subunit alpha; mitochondrial; ATP5A; ATP5AL2; ATPM; anti-ATP5A1 antibody

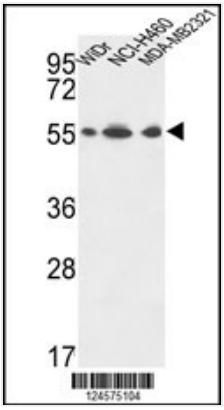
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ATP5A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 477-503 amino acids from the C-terminal region of human ATP5A1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	477-503
Sequence Length	531
Applicable Applications for anti-ATP5A1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
ATP5A1 Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATP5A1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
ATP5A1 Antibody (C-term) western blot analysis in WiDr,NCI-H460,MDA-MB231 cell line lysates (35ug/lane).This demonstrates the ATP5A1 antibody detected the ATP5A1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5A1 antibody	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, using 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 consists of three main subunits (a, b, c). This gene encodes the alpha subunit of the catalytic core.
Product Categories/Family for anti-ATP5A1 antibody	Metabolism; Signal Transduction
References	Pandey, N.R., et al. Am. J. Pathol. 175(4):1777-1787(2009) Seth, R., et al. J. Clin. Pathol. 62(7):598-603(2009) Law, I.K., et al. Proteomics 9(9):2444-2456(2009) Martins-de-Souza, D., et al. BMC Psychiatry 9, 17 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345982
NCBI GeneID	498
NCBI Accession #	NP_001001935.1; NP_001001937.1; NP_001244263.1; NP_001244264.1; NP_004037.1
NCBI GenBank Nucleotide #	NM_001001935.2
UniProt Accession #	P25705; Q53XX6; Q8IXV2; Q96FB4; Q96HW2; Q96IR6; Q9BTV8; A8K092; B4DY56; K7ENP3
Molecular Weight	59751
NCBI Official Full Name	ATP synthase subunit alpha, mitochondrial isoform c
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle
NCBI Official Symbol	ATP5A1
NCBI Official Synonym Symbols	OMR; ORM; ATPM; MOM2; ATP5A; hATP1; 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	**ATP5A1**
UniProt Synonym Gene Names	ATP5A; ATP5AL2; ATPM
UniProt Entry Name	ATPA_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/atp5a1-antibody-immunohistochemistry-western-blot-elisa/284811