

Goat ATP5A1/ATP Synthase Alpha Polyclonal Antibody | anti-ATP5A1 antibody

Anti-ATP5A1/ATP Synthase Alpha Antibody (aa83-94)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162286	Goat	Human Predicted: Rabbit, Mouse, Sheep, Bovine, Rat, Hamster, Pig, Horse, Bat, Monkey	Western Blot, Immunohistochemistry, ELISA

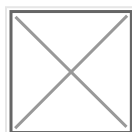
PRODUCT SYNONYMS

ATP5A1/ATP Synthase Alpha; Polyclonal Antibody; Anti-ATP5A1/ATP Synthase Alpha Antibody (aa83-94); Rabbit Polyclonal (IgG) to Human ATP5A1/ATP Synthase Alpha; ATP5A1; ATP5AL2; ATP5A; HATP1; Mitochondrial ATP synthase; MOM2; ORM; OMR; ATPM; anti-ATP5A1 antibody

PRODUCT SPECIFICATIONS

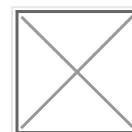
Host	Goat
Reactivity	Human Predicted: Rabbit, Mouse, Sheep, Bovine, Rat, Hamster, Pig, Horse, Bat, Monkey
Clonality	Polyclonal
Specificity	Human ATP5A1/ATP Synthase Alpha. This antibody is expected to recognize all reported isoforms (NP_004037.1; NP_001244263.1; NP_001001935.1).
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Sequence Length	553
Applicable Applications for anti-ATP5A1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide C-RVHGLRNVQAE from an internal region (near N-terminus) of human ATP5A1/ATP Synthase Alpha (NP_004037.1; NP_001244263.1; NP_001001935.1). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Mouse, Rat, Ferret, Sheep, Bovine, Bat, Hamster, Elephant, Panda, Rabbit, Horse, Pig, Platypus (100%); Guinea pig, Chicken, Xenopus, Zebrafish, Sea squirt, Tunicate (92%).
Conjugation	Unconjugated
Epitope	aa83-94
Preparation and Storage	Store at -20 degree C. Avoid freeze-thaw cycles.

IMAGES



WB (Western Blot)

ATP5A1 antibody (0.01 ug/ml) staining of Human (A), fetal Mouse (B), adult Mouse (C) and adult Rat (D) Heart lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-ATP5A1/ATP Synthase Alpha antibody IHC staining of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)

Anti-ATP5A1/ATP Synthase Alpha antibody IHC staining of human skeletal muscle.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5A1 antibody	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.
Product Categories/Family for anti-ATP5A1 antibody	Transporter; ATPase - F type

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757810
NCBI GeneID	498
NCBI Accession #	NP_004037.1
NCBI GenBank Nucleotide #	NM_004046.5
UniProt Accession #	P25705; Q53XX6; Q8IXV2; Q96FB4; Q96HW2; Q96IR6; Q9BTV8; A8K092; B4DY56; K7ENP3
Molecular Weight	57,547 Da
NCBI Official Full Name	ATP synthase subunit alpha, mitochondrial isoform a
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

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://stage.aaabiotech.com/polyclonal/atp5a1-atp-synthase-alpha-antibody-western-blot-immunohistochemistry-elisa/162286>