

Rabbit ATP5H Polyclonal Antibody | anti-ATP5H antibody

ATP5H Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324478	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

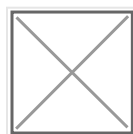
PRODUCT SYNONYMS

ATP5H; Polyclonal Antibody; ATP5H Antibody; ATP synthase D chain mitochondrial; ATP synthase H+ transporting mitochondrial F1F0 subunit; ATP synthase H+ transporting mitochondrial F1F0 subunit d; ATP synthase subunit d; mitochondrial; ATP synthase; H+ transporting; mitochondrial F0 complex; subunit d; ATP5H_HUMAN; ATP5JD; ATPase subunit d; ATPQ; My032 protein; anti-ATP5H antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ATP5H antibody detects endogenous levels of total ATP5H
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	137
Applicable Applications for anti-ATP5H antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion. Mitochondrion Inner Membrane.
Predicted Cross Reactivity	Bovine
Similarity	Bovine (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324478 staining HepG2 cells 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) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells using ATP5H antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5H 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 and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements. 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 d subunit family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51479152
NCBI GeneID	10476
NCBI Accession #	NP_001003785.1
NCBI GenBank Nucleotide #	NM_001003785.1
UniProt Accession #	O75947; Q9H3J4; B2R5L6
Molecular Weight	Observed: 26 kD Predicted: 19 kDa
NCBI Official Full Name	ATP synthase subunit d, mitochondrial isoform b
NCBI Official Synonym Full Names	ATP synthase peripheral stalk subunit d
NCBI Official Symbol	ATP5PD
NCBI Official Synonym Symbols	ATPQ; APT5H; ATP5H
NCBI Protein Information	ATP synthase subunit d, mitochondrial
UniProt Protein Name	ATP synthase subunit d, mitochondrial
UniProt Gene Name	ATP5PD
UniProt Synonym Gene Names	ATPase subunit d

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/atp5h-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324478>