

ATP5B recombinant antibody

ATP5B Antibody

CATALOG # AAA243841	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

ATP5B; Monoclonal Recombinant Antibody; ATP5B Antibody; ATP synthase subunit beta; mitochondrial (EC 3.6.3.14); ATPMB ATPSB; ATP5B recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	5F10
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for ATP5B recombinant antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antibody Type	Recombinant Antibody
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human ATPB
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



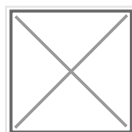
IHC (Immunohistochemisry)

IHC image diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohiostchemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human heart tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)

Western BlotPositive WB detected in: 293T whole cell lysate, HT29 whole cell lysate, HepG2 whole cell lysate, Jurkat whole cell lysate, 293 whole cell lysate, Rat Heart tissue, Mouse Heart tissueAll lanes: ATP5F1B antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 57 kDaObserved band size: 57 kDa

ADDITIONAL INFORMATION

Related Product Information for ATP5B recombinant 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.
Product Categories/Family for ATP5B recombinant antibody	Cancer; Tags & Cell Markers; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	32189394
NCBI GeneID	506
NCBI Accession #	NP_001677.2
NCBI GenBank Nucleotide #	NM_001686.3
UniProt Accession #	P06576; Q14283; A8K4X0
Molecular Weight	56560 MW
NCBI Official Full Name	ATP synthase subunit beta, mitochondrial
NCBI Official Synonym Full Names	ATP synthase F1 subunit beta
NCBI Official Symbol	ATP5F1B
NCBI Official Synonym Symbols	ATP5B; ATPMB; ATPSB; HEL-S-271
NCBI Protein Information	ATP synthase subunit beta, mitochondrial
UniProt Protein Name	ATP synthase subunit beta, mitochondrial
UniProt Gene Name	ATP5B
UniProt Synonym Gene Names	ATPMB; ATPSB

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/monoclonal/atp5b-recombinant-antibody-clone-5f10-immunohistochemistry-western-blot-elisa/243841>