

Mouse ATP5B Monoclonal Antibody | anti-ATP5B antibody

ATP5B antibody

CATALOG #	HOST	APPLICATIONS
AAA74761	Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

ATP5B; Monoclonal Antibody; ATP5B antibody; Monoclonal ATP5B; Anti-ATP5B; Atp Synthase H+ Transporting Mitochondrial F1 Complex Beta Polypeptide; ATPMB; ATPSB; MGC5231; ATPB 5; ATPB-5; anti-ATP5B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5G2
Purity/Purification	ATP5B antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	529
Applicable Applications for anti-ATP5B antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	ATP5B is a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing 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.
Cross-Reactivity	Human, Dog, Rat, Monkey
Immunogen	ATP5B antibody was raised in mouse using a full length recombinant protein of human ATP5B (NP_001677) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant ATP5B protein using ATP5B antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of ATP5B protein in paraffin embedded Carcinoma of Human liver tissue using ATP5B antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ATP5B protein (Right) or empty vector (Left) detected with ATP5B antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5B antibody	Mouse monoclonal ATP5B antibody
Product Categories/Family for anti-ATP5B antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	32189394
NCBI GeneID	506
NCBI Accession #	NP_001677
NCBI GenBank Nucleotide #	NM_001686.3
UniProt Accession #	P06576 ; Q14283 ; A8K4X0
Molecular Weight	56,560 Da
NCBI Official Full Name	ATP synthase subunit beta, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, beta polypeptide
NCBI Official Symbol	ATP5B
NCBI Official Synonym Symbols	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
UniProt Entry Name	ATPB_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/monoclonal/atp5b-antibody-clone-5g2-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/74761>