

Anti-ATP5B antibody (230-529) [S4MR] (STJ11101294)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

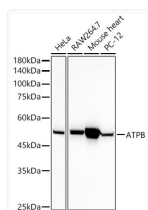
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:2000-1:20000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 57kDa Observed Mw: 57kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

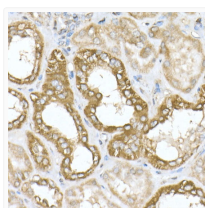
Gene ID	506
Gene Symbol	ATP5F1B
UniProt ID	ATPB_HUMAN
Immunogen Region	230-529
Immunogen Sequence	YSVFAGVGERTREGNDLYHE MIESGVINKDATSKVALVY GQMNEPPGARARVALTGLTV AEYFRDQEGQDVLFFIDNIF RFTQAGSEVSALLGRIPSAV GYQPTLATDMGTMQERITTT KKGSITSVQAIYVPADDLTD PAPATTFAPHLDTTVLSRAI AELGIYPAVDPLDSTSRIMD PNIVGSEHYDVARGVQKILQ DYKSLQDIILGMDELSEE DKLTVSRARKIQRFSLQPF
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 230-529 of human ATPB (NP_001677.2).

ADDITIONAL INFORMATION

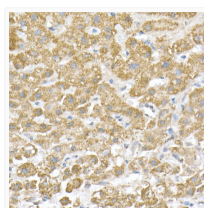
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



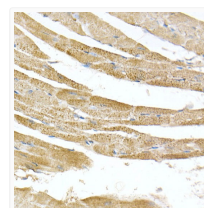
Western blot analysis of extracts of various cell lines, using ATPB antibody (STJ11101294) at 1:20000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



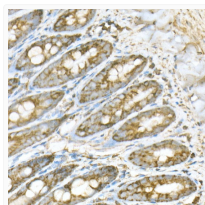
Immunohistochemistry analysis of paraffin-embedded human kidney using ATPB rabbit monoclonal antibody (STJ11101294) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



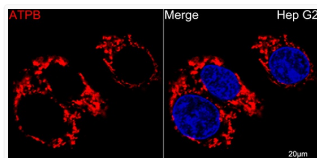
Immunohistochemistry analysis of paraffin-embedded human liver using ATPB rabbit monoclonal antibody (STJ11101294) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse heart using ATPB rabbit monoclonal antibody (STJ11101294) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat colon using ATPB rabbit monoclonal antibody (STJ11101294) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Confocal imaging of HepG2 cells using ATPB rabbit monoclonal antibody (STJ11101294, dilution 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 40x.