ATP5A1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A304-939A

Lot No. A304-939A-1

Protein ID P25705.1

GeneID 498

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, D. melanogaster, Bovine, Pig, Orangutan and Chimpanzee
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to ATP5A1 immobilized on solid support. The epitope recognized by A304-939A maps to a region between residue 100 to 150 of human ATP synthase subunit alpha, mitochondrial using the numbering given in entry P25705.1 (GeneID 498). Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
Immunohistochemistry	1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.
IHC HUMAN CONTROLS	Prostate Carcinoma
IHC MOUSE CONTROLS	Renal Cell Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A304-939A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019

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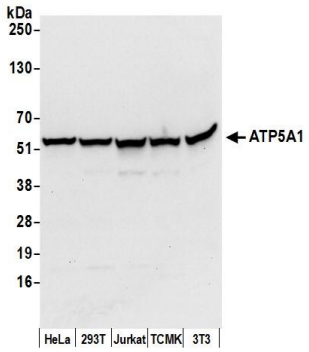
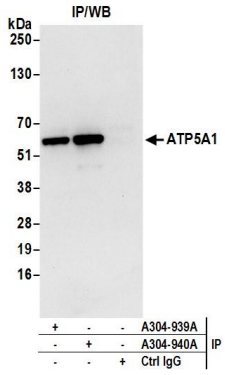
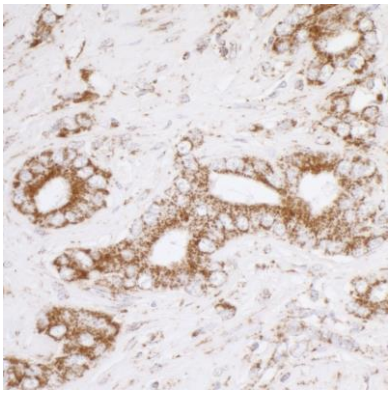


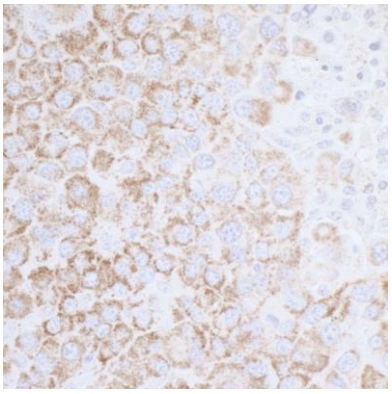
Detection of human and mouse ATP5A1 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-ATP5A1 antibody A304-939A (lot A304-939A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human ATP5A1 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-ATP5A1 antibody A304-939A (lot A304-939A-1) used for IP at 6 µg per reaction. ATP5A1 was also immunoprecipitated by rabbit anti-ATP5A1 antibody A304-940A. For blotting immunoprecipitated ATP5A1, A304-939A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human ATP5A1 by immunohistochemistry. *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-ATP5A1 (Cat. No. A304-939A Lot1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB



Detection of mouse ATP5A1 by immunohistochemistry. *Sample:* FFPE section of mouse renal cell carcinoma. *Antibody:* Affinity purified rabbit anti-ATP5A1 (Cat. No. A304-939A Lot1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB

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