

ATPIF1 Rabbit mAb

Catalog No.: A24640

Recombinant

1 Publications

Basic Information

Observed MW

12kDa

Calculated MW

12kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC63557

Background

Enables several functions, including ATPase binding activity; angiostatin binding activity; and mitochondrial proton-transporting ATP synthase complex binding activity. Involved in several processes, including mitochondrial depolarization; negative regulation of ATPase activity; and regulation of protein targeting to mitochondrion. Located in cell surface and mitochondrion.

Recommended Dilutions

WB 1:1000 - 1:3000

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.

Immunogen Information

Gene ID

93974

Swiss Prot

Q9UII2

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

IP; ATP1; ATPIP; ATPIF1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

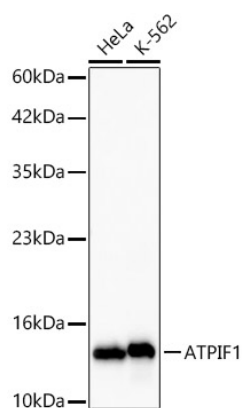
Affinity purification

Storage

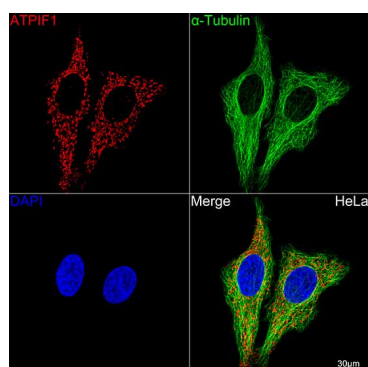
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

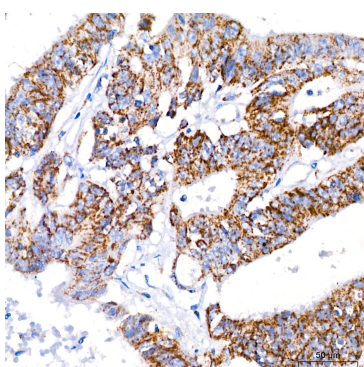
Validation Data



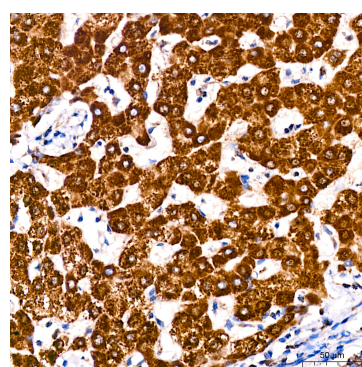
Western blot analysis of various lysates, using ATPIF1 Rabbit mAb (A24640) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 15s.



Confocal imaging of HeLa cells using ATPIF1 Rabbit mAb (A24640, at dilution of 1:200) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 1000x.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using ATPIF1 Rabbit mAb (A24640) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver using ATPIF1 Rabbit mAb (A24640) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.