

[KO Validated] ATPIF1 Rabbit pAb

Catalog No.: A5099 **KO** Validated

Basic Information

Observed MW

12kDa

Calculated MW

12kDa

Category

Primary antibody

Applications

WB,IF/ICC,IP,ELISA

Cross-Reactivity

Human, Mouse

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 1:500 - 1:1000

IF/ICC 1:50 - 1:100

IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

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; F1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

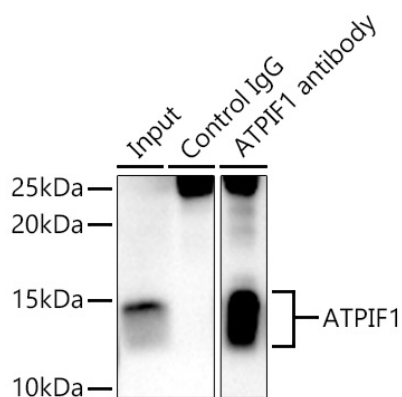
Affinity purification

Storage

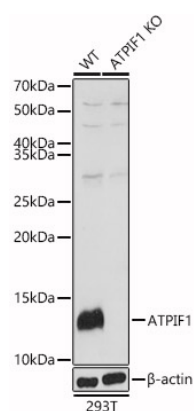
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Immunoprecipitation analysis of 300 µg extracts of K-562 cells using 3 µg [KO Validated] ATPIF1 Rabbit pAb (A5099). Western blot was performed from the immunoprecipitate using [KO Validated] ATPIF1 Rabbit pAb (A5099) at a dilution of 1:3000.



Western blot analysis of lysates from wild type (WT) and ATPIF1 knockout (KO) 293T(KO) cells, using [KO Validated] ATPIF1 Rabbit pAb (A5099) at 1:1000 dilution.

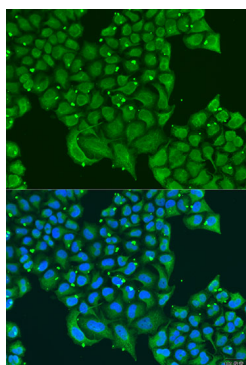
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunofluorescence analysis of U2OS cells using [KO Validated] ATPIF1 Rabbit pAb (A5099) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.