

# ATP6 Rabbit pAb

Catalog No.: A8193

12 Publications

## Basic Information

### Observed MW

20kDa

### Calculated MW

25kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse

## Background

Predicted to contribute to proton-transporting ATP synthase activity, rotational mechanism. Predicted to be involved in mitochondrial ATP synthesis coupled proton transport. Located in mitochondrion. Is expressed in several structures, including alimentary system; brain; heart; integumental system; and sensory organ. Human ortholog(s) of this gene implicated in Leber hereditary optic neuropathy; NARP syndrome; Parkinson's disease; multiple sclerosis; and systemic lupus erythematosus. Orthologous to human MT-ATP6 (mitochondrially encoded ATP synthase membrane subunit 6).

## Recommended Dilutions

**WB** 1:500 - 1:5000

**IF/ICC** 1:50 - 1:200

**IHC-P** 1:100 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

17705

### Swiss Prot

P00848

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

MT-ATP6; MTATP6; ATPASE6

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

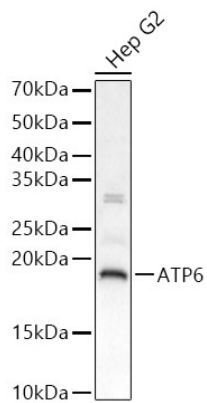
### Storage

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

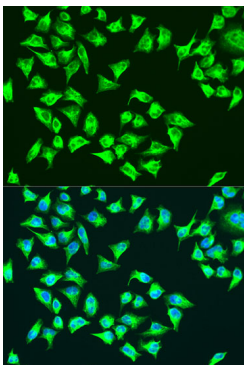
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of lysates from Hep G2 cells, using ATP6 Rabbit pAb (A8193) at 1:2000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 20 s.



Immunofluorescence analysis of U-2 OS cells using ATP6 Rabbit pAb (A8193) 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.