

For Research Use Only

# ATP6V1G1 Polyclonal antibody

Catalog Number: 16143-1-AP

Featured Product

6 Publications



## Basic Information

**Catalog Number:**

16143-1-AP

**Size:**

750 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG9217

**GenBank Accession Number:**

BC008452

**GeneID (NCBI):**

9550

**UNIPROT ID:**

O75348

**Full Name:**

ATPase, H<sup>+</sup> transporting, lysosomal  
13kDa, V1 subunit G1

**Calculated MW:**

118 aa, 14 kDa

**Observed MW:**

14 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

IHC 1:20-1:200

IF 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

**Positive Controls:**

**WB:** Jurkat cells, human kidney tissue

**IP:** Jurkat cells,

**IHC:** human kidney tissue, human brain tissue, human  
heart tissue, human liver tissue, human ovary tissue,  
human placenta tissue, human skin tissue, human  
spleen tissue, human testis tissue

**IF:** HEK-293 cells,

## Background Information

### Notable Publications

| Author            | Pubmed ID | Journal        | Application |
|-------------------|-----------|----------------|-------------|
| Paul T Manna      | 31503392  | Traffic        | WB          |
| Vishwanatha K Rao | 30317586  | J Cell Physiol | WB          |
| Irene Bertolini   | 30737083  | EBioMedicine   | WB, IHC     |

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

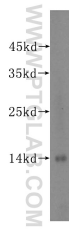
T: 4006900926

E: Proteintech-CN@ptglab.com

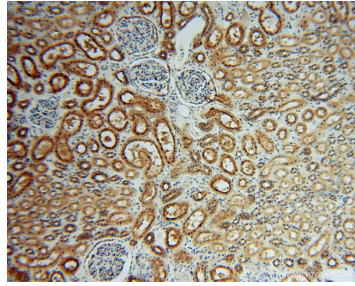
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

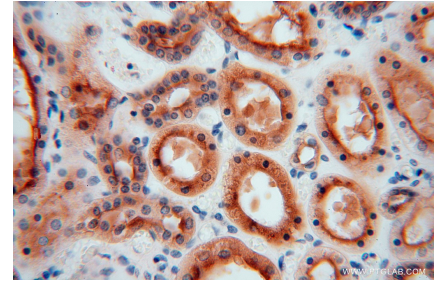
## Selected Validation Data



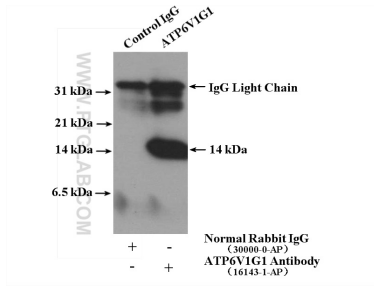
Jurkat cells were subjected to SDS PAGE followed by western blot with 16143-1-AP (ATP6V1G1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



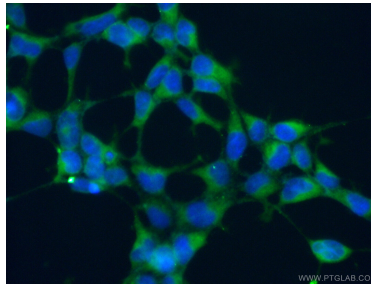
Immunohistochemical analysis of paraffin-embedded human kidney using 16143-1-AP (ATP6V1G1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 16143-1-AP (ATP6V1G1 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-ATP6V1G1 (IP:16143-1-AP, 4ug; Detection:16143-1-AP 1:500) with Jurkat cells lysate 3440 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 16143-1-AP (ATP6V1G1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).