

ATP6V1G3 Polyclonal antibody

Catalog Number: 19523-1-AP

Basic Information

Catalog Number:

19523-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_133326

GeneID (NCBI):

127124

UNIPROT ID:

Q96LB4

Full Name:

ATPase, H⁺ transporting, lysosomal
13kDa, V1 subunit G3

Calculated MW:

14 kDa

Observed MW:

14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Species Specificity:

human, 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 : HEK-293 cells, mouse kidney tissue

IP : mouse kidney tissue,

IHC : human kidney tissue,

Background Information

ATP6V1G3, also named as ATP6G3, belongs to the V-ATPase G subunit family. ATP6V1G3 is a catalytic subunit of the peripheral V1 complex of vacuolar ATPase (V-ATPase). V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.

Storage

Storage:

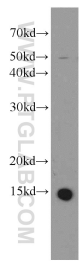
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

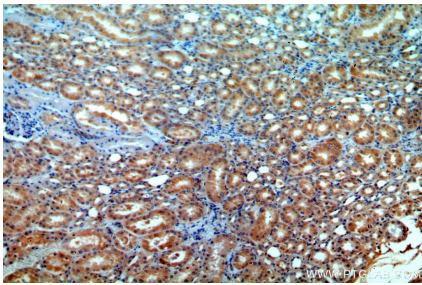
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

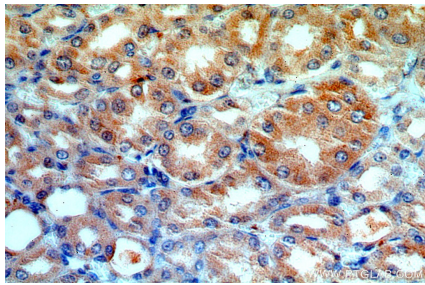
Selected Validation Data



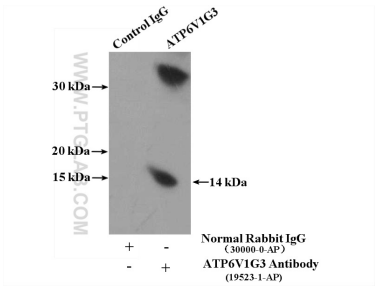
HEK-293 cells were subjected to SDS PAGE followed by western blot with 19523-1-AP (ATP6V1G3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 19523-1-AP (ATP6V1G3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 19523-1-AP (ATP6V1G3 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-ATP6V1G3 (IP:19523-1-AP, 4ug; Detection:19523-1-AP 1:800) with mouse kidney tissue lysate 4800ug.