For Research Use Only

ATP6V1G3 Polyclonal antibody

Catalog Number:19523-1-AP

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Basic Information

Catalog Number:
19523-1-AP

Size:
150ul , Concentration: 650 ug/ml by Nanodrop and 360 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200

Applications

Tested Applications:
WB, IP, IHC, 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.

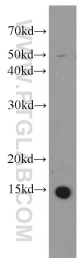
Storage

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

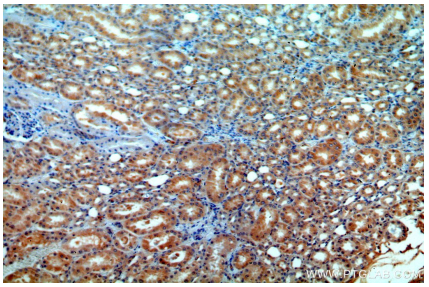
***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

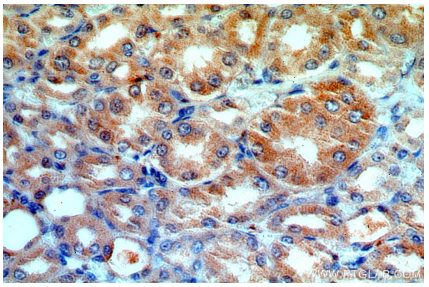
Selected Validation Data



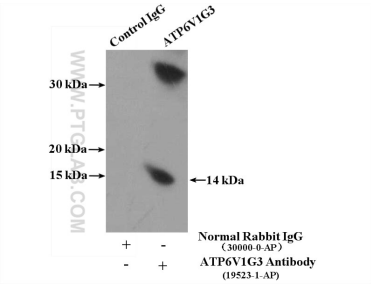
HEK-293 cells were subjected to SDS PAGE followed by western blot with 19523-1-AP (ATP6V1G3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.