

For Research Use Only

ATP6V1G3 Polyclonal antibody

Catalog Number: 19523-1-AP



Basic Information

| | | |
|--|--|--|
| Catalog Number: 19523-1-AP | GenBank Accession Number: NM_133326 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 360 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 127124 | Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB |
| Source: Rabbit | Full Name: ATPase, H ⁺ transporting, lysosomal 13kDa, V1 subunit G3 | IHC 1:20-1:200 |
| Isotype: IgG | Calculated MW: 14 kDa | |
| | Observed MW: 14 kDa | |

Applications

| | |
|--|--|
| Tested Applications: IHC, IP, WB, ELISA | Positive Controls: WB : HEK-293 cells, mouse kidney tissue |
| Species Specificity: human, mouse | IP : mouse kidney tissue, IHC : human kidney tissue, |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

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

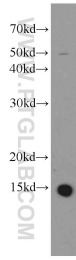
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

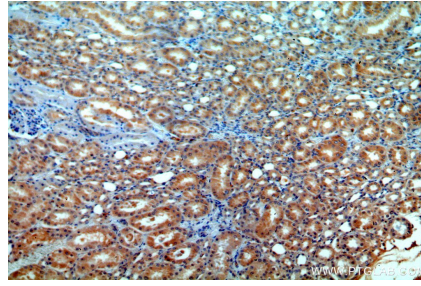
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

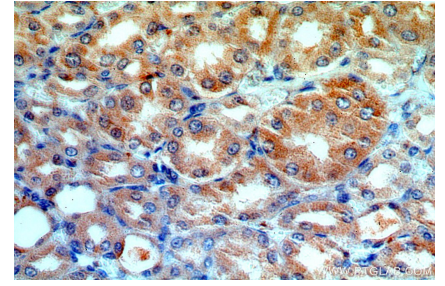
Selected Validation Data



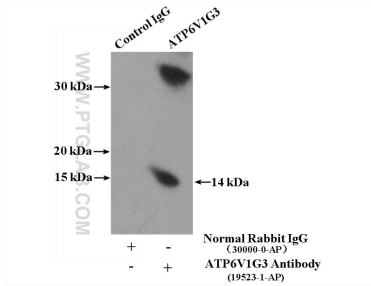
HEK-293 cells were subjected to SDS PAGE followed by western blot with 19523-1-AP (ATP6V1G3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.