

For Research Use Only

ATP6V0D1 Polyclonal antibody

Catalog Number: 18274-1-AP **14 Publications**



Basic Information

Catalog Number: 18274-1-AP	GenBank Accession Number: BC008861	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 9114	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
Source: Rabbit	Full Name: ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1	IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	Calculated MW: 351 aa, 40 kDa	
Immunogen Catalog Number: AG13002	Observed MW: 37-41 kDa	

Applications

Tested Applications:
FC, IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, IP, WB

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 : HEK-293 cells, human placenta tissue, HeLa cells, mouse kidney tissue, mouse testis tissue

IP : mouse testis tissue,

IHC : human kidney tissue,

IF : HeLa cells,

Background Information

ATP6V0D1(V-type proton ATPase subunit d 1) is also named as ATP6D, VPATPD and belongs to the V-ATPase V0D/AC39 subunit family. It is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system.

Notable Publications

Author	Pubmed ID	Journal	Application
Ki-Ryeong Kim	36246521	Front Cell Neurosci	WB
Vishwanatha K Rao	30317586	J Cell Physiol	WB
Otomo Takanobu T	21846724	J Biol Chem	WB,IF

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**

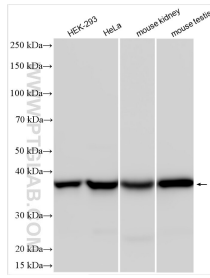
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

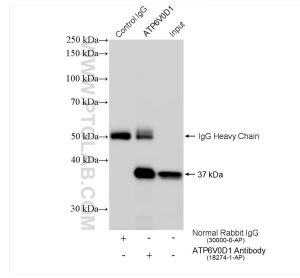
E: proteintech@ptglab.com
W: ptglab.com

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

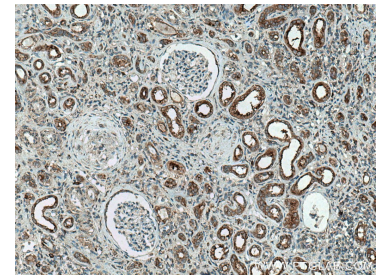
Selected Validation Data



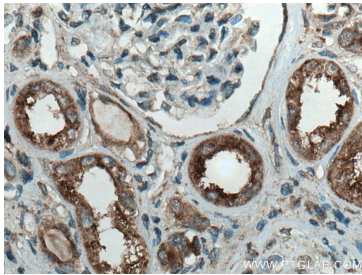
Various lysates were subjected to SDS PAGE followed by western blot with 18274-1-AP (ATP6V0D1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



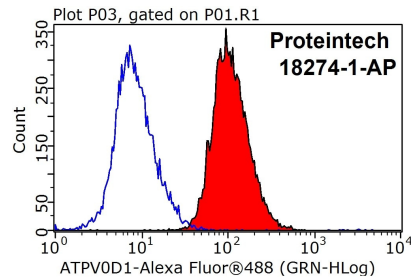
IP result of anti-ATP6V0D1(IP:18274-1-AP, 4ug; Detection:18274-1-AP 1:4000) with mouse testis tissue lysate 1120 ug.



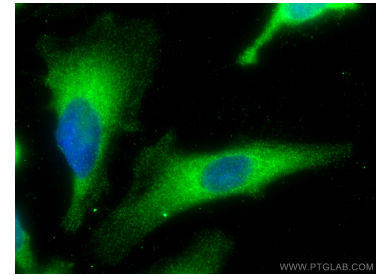
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18274-1-AP (ATP6V0D1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18274-1-AP (ATP6V0D1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HeLa cells were stained with 0.2ug ATP6V0D1 antibody (18274-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using ATP6V0D1 antibody (18274-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).