

For Research Use Only

ATP6V0D1 Polyclonal antibody

Catalog Number: 18274-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

18274-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13002

GenBank Accession Number:

BC008861

GeneID (NCBI):

9114

UNIPROT ID:

P61421

Full Name:

ATPase, H⁺ transporting, lysosomal 38kDa, VO subunit d1

Calculated MW:

351 aa, 40 kDa

Observed MW:

37-41 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : mouse kidney tissue, human kidney tissue

IF/ICC : 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

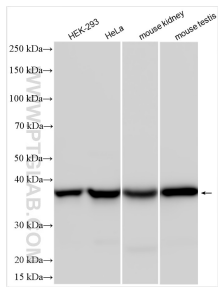
For technical support and original validation data for this product please contact:

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

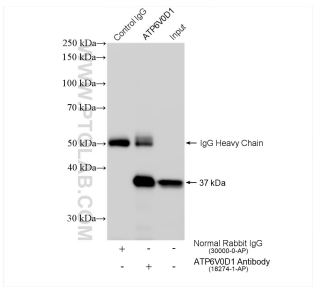
E: proteintech@ptglab.com
W: ptglab.com

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

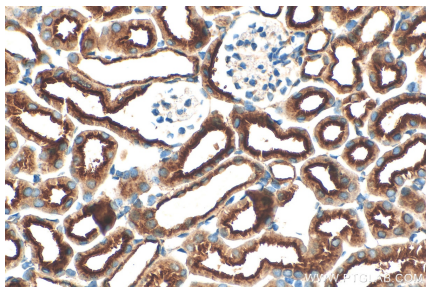
Selected Validation Data



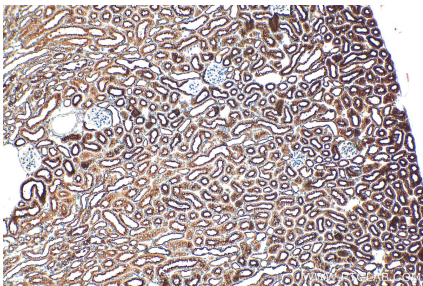
Various lysates were subjected to SDS PAGE followed by western blot with 18274-1-AP (ATP6V0D1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



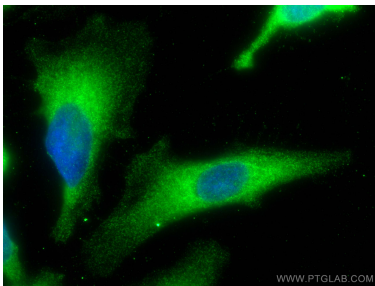
IP result of anti-ATP6V0D1 (IP:18274-1-AP, 4ug; Detection:18274-1-AP 1:4000) with mouse testis tissue lysate 1120 ug.



Immunohistochemical analysis of paraffin-embedded mouse 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).



Immunohistochemical analysis of paraffin-embedded mouse 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).



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