

For Research Use Only

# ATP6V1F Polyclonal antibody

Catalog Number: 17725-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 17725-1-AP	<b>GenBank Accession Number:</b> BC107854	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9296	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16864	
<b>Isotype:</b> IgG	<b>Full Name:</b> ATPase, H <sup>+</sup> transporting, lysosomal	
<b>Immunogen Catalog Number:</b> AG12121	<b>Calculated MW:</b> 119 aa, 13 kDa	
	<b>Observed MW:</b> 14 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, CoIP

### Species Specificity:

human, mouse

### Cited Species:

human, rat

### Positive Controls:

**WB:** MCF7 cells, HeLa cells, Jurkat cells, mouse liver tissue, mouse skeletal muscle tissue

**IHC:** human testis tissue, human brain tissue, human kidney tissue, human pancreas tissue, human placenta 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

ATP6V1F(V-type proton ATPase subunit F) is also named as ATP6S14, VATF and belongs to the V-ATPase F subunit family. It generates an electrochemical proton gradient that is acid and positive inside synaptic vesicles. ATP6V1F plays a major role as energizers of animal plasma membranes, especially apical plasma membranes of epithelial cells. This protein has 2 isoforms produced by alternative splicing with the molecular weight of 14 kDa and 16 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Pan Huang	36620589	Front Oncol	WB
Xiaolu Chen	38266420	J Trace Elem Med Biol	WB
Nur Cengiz Winter	37585105	J Proteome Res	WB, CoIP

## 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)

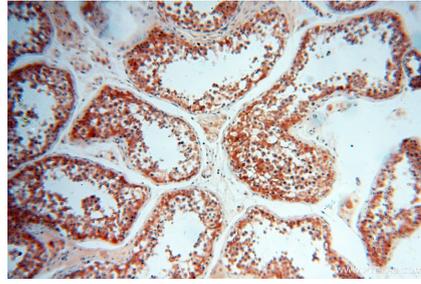
E: proteintech@ptglab.com  
W: ptglab.com

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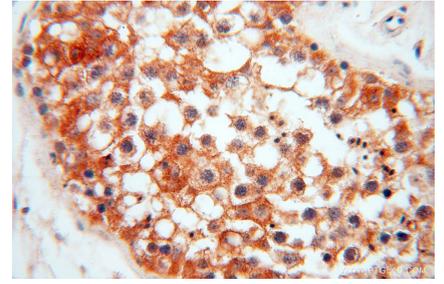
## Selected Validation Data



MCF7 cells were subjected to SDS PAGE followed by western blot with 17725-1-AP (ATP6V1F antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 17725-1-AP (ATP6V1F antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 17725-1-AP (ATP6V1F antibody) at dilution of 1:50 (under 40x lens).