

For Research Use Only

# ATP6V1F Polyclonal antibody

Catalog Number: 17725-1-AP

4 Publications



## Basic Information

### Catalog Number:

17725-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12121

### GenBank Accession Number:

BC107854

### GeneID (NCBI):

9296

### UNIPROT ID:

Q16864

### Full Name:

ATPase, H<sup>+</sup> transporting, lysosomal

14kDa, V1 subunit F

### Calculated MW:

119 aa, 13 kDa

### Observed MW:

14 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

## 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**

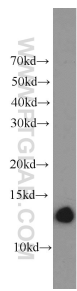
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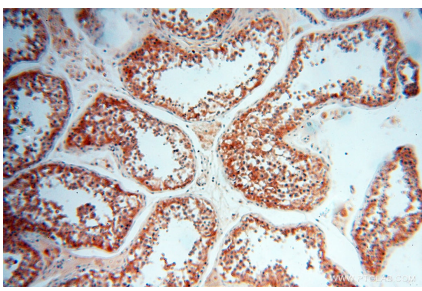
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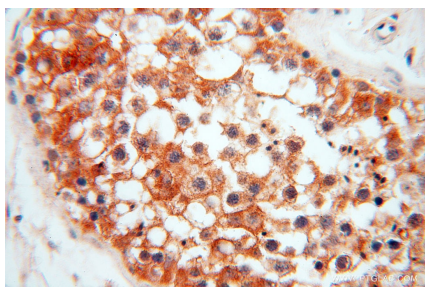
Selected Validation Data



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).