

# ATP6V1F Polyclonal antibody

Catalog Number: 17725-1-AP

4 Publications

## Basic Information

## Catalog Number:

17725-1-AP

## Size:

500 µg/ml

## 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

**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**: 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

## 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

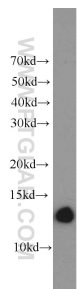
For technical support and original validation data for this product please contact:

T: 4006900926

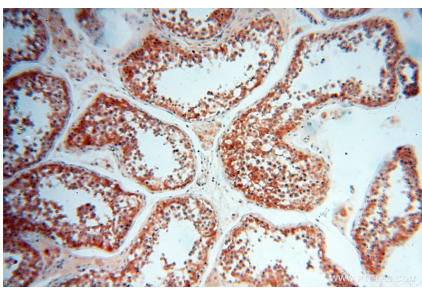
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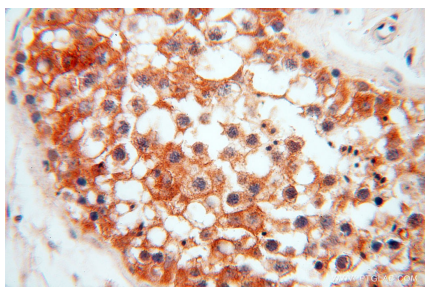
Selected Validation Data



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).