

For Research Use Only

# ATP6V1F Recombinant monoclonal antibody, PBS Only

Catalog Number: 87157-1-PBS



## Basic Information

<b>Catalog Number:</b> 87157-1-PBS	<b>GenBank Accession Number:</b> BC107854	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 9296	<b>CloneNo.:</b> 252263C1
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q16864	
<b>Immunogen Catalog Number:</b> AG12121	<b>Full Name:</b> ATPase, H <sup>+</sup> transporting, lysosomal 14kDa, V1 subunit F	
	<b>Calculated MW:</b> 119 aa, 13 kDa	
	<b>Observed MW:</b> 14 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

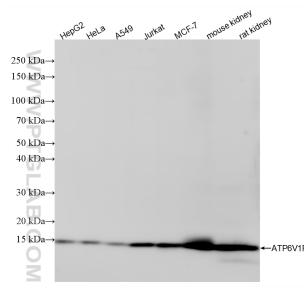
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

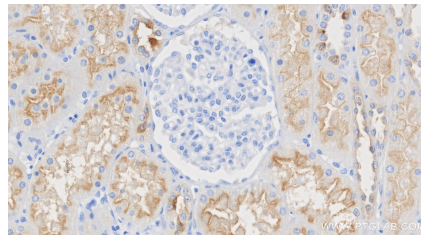
W: [ptgcn.com](http://ptgcn.com)

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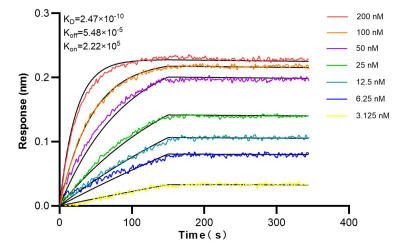
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87157-1-RR (ATP6V1F antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87157-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 87157-1-RR (ATP6V1F antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87157-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 87157-1-RR against Human ATP6V1F were performed. The affinity constant is 0.247 nM.