For Research Use Only

ATP6V1F Recombinant monoclonal antibody, PBS Only

Catalog Number:87157-1-PBS

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Basic Information

Catalog Number:
87157-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG12121

GenBank Accession Number:
BC107854

GeneID (NCBI):
9296

UNIPROT ID:
Q16864

Full Name:
ATPase, H+ transporting, lysosomal 14kDa, V1 subunit F

Calculated MW:
119 aa, 13 kDa

Observed MW:
14 kDa

Purification Method:
Protein A purification

CloneNo.:
252263C1

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.
Storage Buffer:
PBS only, pH7.3

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
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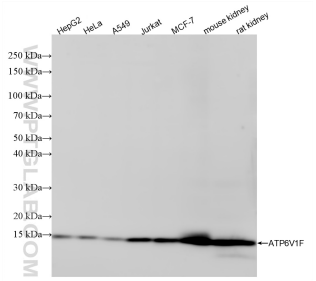
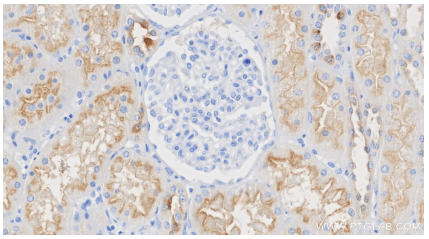
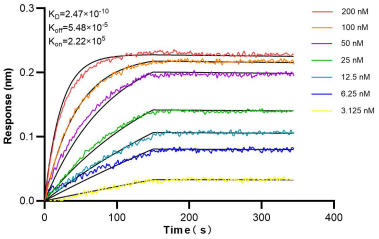
Selected Validation Data



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.



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