

For Research Use Only

# ATP6VOA1 Polyclonal antibody

Catalog Number: 13828-1-AP **7 Publications**



## Basic Information

**Catalog Number:**

13828-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4191

**GenBank Accession Number:**

BC032398

**GeneID (NCBI):**

535

**UNIPROT ID:**

Q93050

**Full Name:**

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

VO subunit a1

**Calculated MW:**

837 aa, 96 kDa

**Observed MW:**

116 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:6000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IP, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**Positive Controls:**

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

## Background Information

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation (PMID: 7774924 34904569).

## Notable Publications

Author	Pubmed ID	Journal	Application
Vishwanatha K Rao	30317586	J Cell Physiol	WB
Qiannan Zhao	33244095	Sci Rep	WB
Wen-Qi Ma	33203874	Cell Death Dis	WB,IF

## 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:

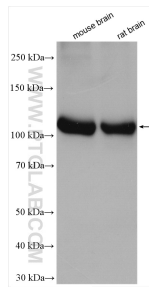
T: 4006900926

E: Proteintech-CN@ptglab.com

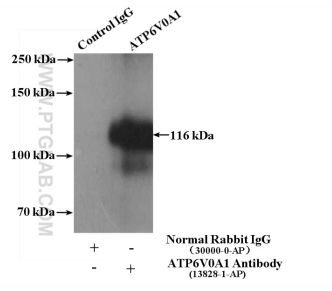
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13828-1-AP (ATP6V0A1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-ATP6V0A1 (IP:13828-1-AP, 4ug; Detection:13828-1-AP 1:300) with mouse brain tissue lysate 3000ug.