

For Research Use Only

ATP6VOA1 Polyclonal antibody

Catalog Number: 13828-1-AP

11 Publications



Basic Information

Catalog Number:

13828-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4191

GenBank Accession Number:

BC032398

GeneID (NCBI):

535

UNIPROT ID:

Q93050

Full Name:

ATPase, H⁺ 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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, 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 : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human brain tissue, 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

*** 20ul sizes contain 0.1% BSA

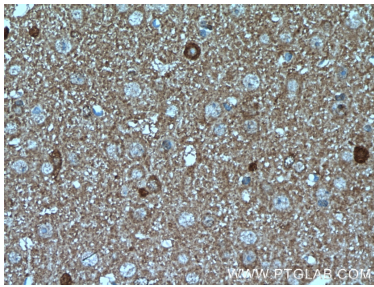
For technical support and original validation data for this product please contact:

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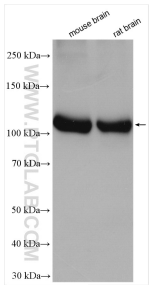
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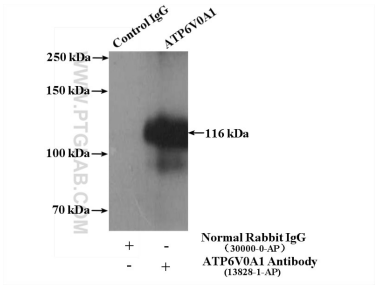
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13828-1-AP (ATP6VOA1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 13828-1-AP (ATP6VOA1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-ATP6VOA1 (IP:13828-1-AP, 4ug; Detection:13828-1-AP 1:300) with mouse brain tissue lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 13828-1-AP (ATP6VOA1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).