

For Research Use Only

VMA21 Polyclonal antibody

Catalog Number: 21921-1-AP

4 Publications



Basic Information

Catalog Number:

21921-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16439

GenBank Accession Number:

BC105694

GeneID (NCBI):

203547

UNIPROT ID:

Q3ZAQ7

Full Name:

VMA21 vacuolar H⁺-ATPase homolog (S. cerevisiae)

Calculated MW:

101 aa, 11 kDa

Observed MW:

11 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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: A431 cells, MCF-7 cells, human placenta tissue, mouse thymus tissue, HepG2 cells

IP: MCF-7 cells,

IHC: mouse brain tissue, human kidney tissue

Notable Publications

Author	Pubmed ID	Journal	Application
Hong-Yu Shen	34507559	J Transl Med	WB
Chioniso P Masamha	24814343	Nature	WB
Fangyang Wang	35287545	Autophagy	WB

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

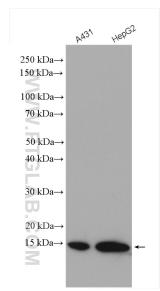
For technical support and original validation data for this product please contact:

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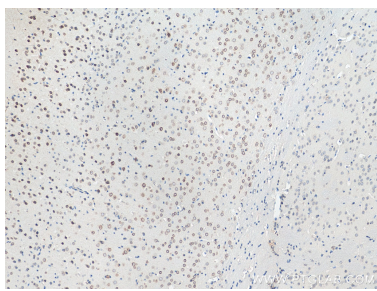
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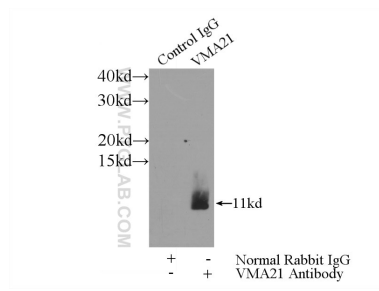
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21921-1-AP (VMA21 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21921-1-AP (VMA21 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-VMA21 (IP:21921-1-AP, 3ug; Detection:21921-1-AP 1:1000) with MCF-7 cells lysate 4000ug.