

For Research Use Only

AP4M1 Polyclonal antibody

Catalog Number: 11653-1-AP

1 Publications



Basic Information

Catalog Number:

11653-1-AP

Size:

150ul, Concentration: 240 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2222

GenBank Accession Number:

BC018705

GeneID (NCBI):

9179

UNIPROT ID:

O00189

Full Name:

adaptor-related protein complex 4, mu 1 subunit

Calculated MW:

453 aa, 50 kDa

Observed MW:

50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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 heart tissue, HeLa cells, mouse lung tissue, A431 cells

IHC : human lymphoma tissue,

Background Information

Adaptor protein (AP) complex is a component of intracellular protein transport. The AP4 complex is involved in sorting transmembrane cargo proteins into transport vesicles for trans-Golgi network export. AP4M1 is a member of the AP4 complex, which also includes AP4B1, AP4E1, and AP4S1. Loss-of-function variants in any of these four members can lead to AP-4-associated hereditary spastic paraplegia (HSP), a neurodegenerative disorder (PMID: 30543385). This antibody recognizes AP4M1.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuanhao Peng	37821948	Cancer Cell Int	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

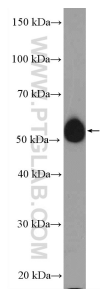
For technical support and original validation data for this product please contact:

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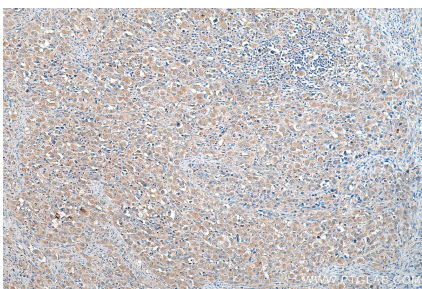
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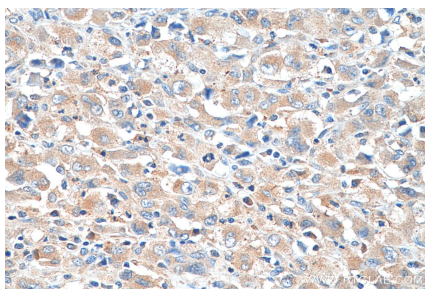
Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 11653-1-AP (AP4M1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11653-1-AP (AP4M1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11653-1-AP (AP4M1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).