

For Research Use Only

AP1M2 Polyclonal antibody

Catalog Number: 10618-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

10618-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0961

GenBank Accession Number:

BC005021

GeneID (NCBI):

10053

UNIPROT ID:

Q9Y6Q5

Full Name:

adaptor-related protein complex 1, mu 2 subunit

Calculated MW:

48 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 colon tissue, Hacat cells

IHC: human pancreas cancer tissue, human kidney tissue, human bowen disease

Background Information

AP1M2 is a subunit of the adaptor complex AP-1. It belongs to the adaptor complexes medium subunit family. Adaptor protein (AP) complexes are cytosolic heterotetramers that mediate the sorting of membrane proteins in the secretory and endocytic pathways. AP-1 is found at the cytoplasmic face of coated vesicles located at the Golgi complex, where it mediates both the recruitment of clathrin to the membrane and the recognition of sorting signals within the cytosolic tails of transmembrane receptors.

Notable Publications

Author	Pubmed ID	Journal	Application
Yunan C Januário	35753347	J Biol Chem	WB
Huan Wang	39303819	Gene	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

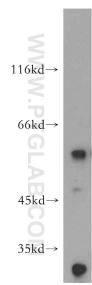
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

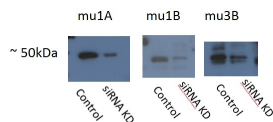
E: proteintech@ptglab.com
W: ptglab.com

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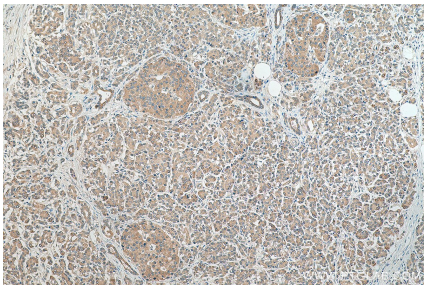
Selected Validation Data



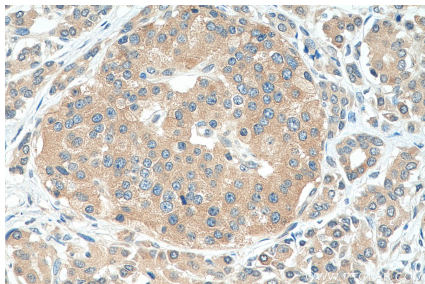
mouse colon tissue were subjected to SDS PAGE followed by western blot with 10618-1-AP (AP1M2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



AP1M1 is mu1A: 12112-1-AP,
AP1M2 is mu1B: 10618-1-AP,
Ap3M2 is mu3B: 11925-1-AP,
acceptable bands ~50 kDa showing
some degree of siRNA
knockdown



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10618-1-AP (AP1M2 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 pancreas cancer tissue slide using 10618-1-AP (AP1M2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).