

For Research Use Only

ATP1B3 Monoclonal antibody

Catalog Number: 67554-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number:

67554-1-Ig

Size:

1300 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30127

GenBank Accession Number:

BC011835

GeneID (NCBI):

483

UNIPROT ID:

P54709

Full Name:

ATPase, Na⁺/K⁺ transporting, beta 3 polypeptide

Calculated MW:

32 kDa

Observed MW:

38-43 kDa

Purification Method:

Protein A purification

CloneNo.:

1H9C1

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:500-1:2000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

IHC

Species Specificity:

human

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: Jurkat cells, HeLa cells, HepG2 cells, human placenta tissue, THP-1 cells

IHC: human colon tissue, human lung cancer tissue

IF/ICC: A431 cells,

Background Information

ATP1B3 (also known as CD298) is the β 3 subunit of Na⁺/K⁺-ATPase which functions to maintain sodium and potassium gradients across membranes involved in cellular activities. ATP1B3 is a glycosylated protein and there are fully and intermediately glycosylated forms of ATP1B3 in mammalian cells. The predicted MW of ATP1B3 is around 32 kDa, while various forms (38-43 kDa) can be observed due to the different level of glycosylation (PMID: 30792309, 16339171, 17176442).

Notable Publications

Author	Pubmed ID	Journal	Application
Shanshan Lu	33868261	Front Immunol	IHC

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:

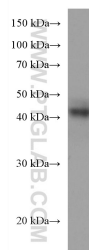
T: 4006900926

E: Proteintech-CN@ptglab.com

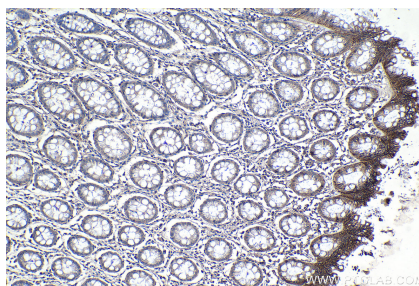
W: ptgcn.com

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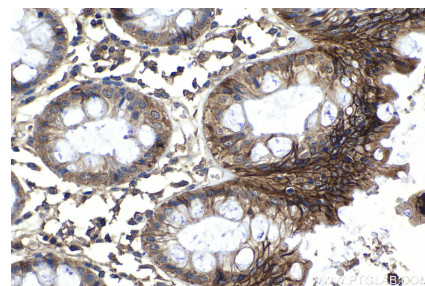
Selected Validation Data



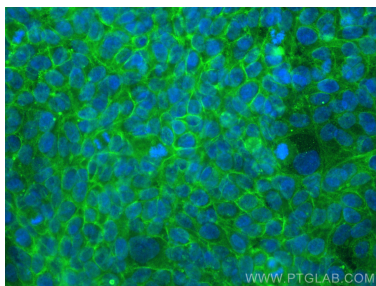
Jurkat cells were subjected to SDS PAGE followed by western blot with 67554-1-Ig (ATP1B3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67554-1-Ig (ATP1B3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67554-1-Ig (ATP1B3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using ATP1B3 antibody (67554-1-Ig, Clone: 1H9C1) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).