

For Research Use Only

CoraLite® Plus 488-conjugated ATP6V1B1 Monoclonal antibody



Catalog Number:CL488-68219

Basic Information

Catalog Number:

CL488-68219

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7405

GenBank Accession Number:

BC063411

GeneID (NCBI):

525

UNIPROT ID:

P15313

Full Name:

ATPase, H⁺ transporting, lysosomal
56/58kDa, V1 subunit B1

Calculated MW:

57 kDa

Observed MW:

56 kDa

Purification Method:

Protein G purification

CloneNo.:

1G10A8

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat, pig, rabbit

Positive Controls:

IF/ICC : HEK-293 cells,

Background Information

ATP6V1B1, also named ATP6B1, VATB and VPP3, belongs to the ATPase alpha/beta chains family. ATP6V1B1 is mainly expressed in kidney. ATP6V1B1 is essential for the proper assembly and activity of V-ATPase. In renal intercalated cells, ATP6V1B1 mediates secretion of protons (H⁺) into the urine thereby ensuring correct urinary acidification. The calculated molecular weight of ATP6V1B1 is 57 kDa.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

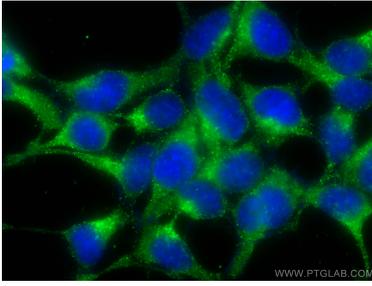
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)
fixed HEK-293 cells using CoraLite® Plus 488
ATP6V1B1 antibody (CL488-68219, Clone: 1G10A8)
at dilution of 1:100.