

For Research Use Only

MCOLN3 Recombinant antibody

Catalog Number: 86202-1-RR



Basic Information

Catalog Number:

86202-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4962

GenBank Accession Number:

BC060765

GeneID (NCBI):

55283

UNIPROT ID:

Q8TDD5

Full Name:

mucolipin 3

Calculated MW:

64 kDa

Observed MW:

80 kDa

Purification Method:

Protein A purification

CloneNo.:

250799F8

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A375 cells, HeLa cells, SH-SY5Y cells

Background Information

MCOLN3 (Mucolipin 3) is a member of the TRPML (Transient Receptor Potential Mucolipin) gene family and encodes a non-selective cation channel protein that is primarily localized on the membranes of endosomes and lysosomes. MCOLN3 promotes endosome acidification, regulates membrane transport and fusion, and is involved in the autophagy process. Additionally, MCOLN3 is involved in the regulation of intracellular calcium (Ca^{2+}) and iron (Fe^{2+}) ion homeostasis, maintains lysosomal membrane potential, promotes endosome-lysosome fusion and material transport (such as autophagy), and may also be involved in neuronal signaling and immune regulation.

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

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

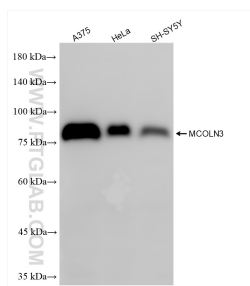
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86202-1-RR (MCOLN3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.