

For Research Use Only

# MCOLN1 Polyclonal antibody, PBS Only

Catalog Number: 15291-1-PBS



## Basic Information

Catalog Number:

15291-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7493

GenBank Accession Number:

BC005149

GeneID (NCBI):

57192

UNIPROT ID:

Q9GZU1

Full Name:

mucoipin 1

Calculated MW:

65 kDa

Observed MW:

60-65 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

MCOLN1, also named MLIV, ML4, MG-2, and Mucolipidin, belongs to the transient receptor (TC 1.A.4) family, Polycystin subfamily, and MCOLN1 sub-subfamily. It is playing a role in the endocytic pathway and in the control of membrane trafficking of proteins and lipids. MCOLN1 may play a major role in Ca<sup>2+</sup> transport regulating lysosomal exocytosis. It is an autosomal recessive lysosomal storage disorder characterized by severe psychomotor retardation and ophthalmologic abnormalities, including corneal opacity, retinal degeneration, and strabismus.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

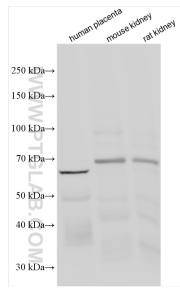
For technical support and original validation data for this product please contact:

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

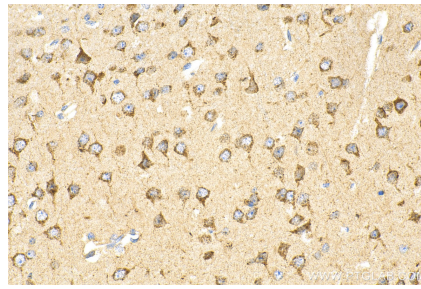
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

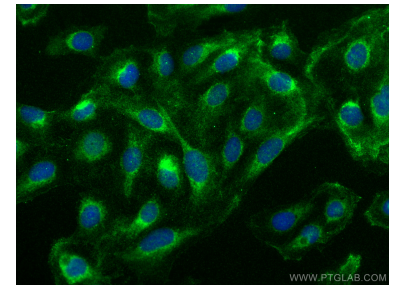
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15291-1-AP (MCOLN1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15291-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15291-1-AP (MCOLN1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15291-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using MCOLN1 antibody (15291-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 15291-1-PBS in a different storage buffer formulation.