

For Research Use Only

MCOLN1 Polyclonal antibody

Catalog Number: 15291-1-AP **1 Publications**



Basic Information

Catalog Number: 15291-1-AP	GenBank Accession Number: BC005149	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 57192	Recommended Dilutions: WB 1:500-1:1000 IF 1:200-1:800
Source: Rabbit	Full Name: mucolipin 1	
Isotype: IgG	Calculated MW: 65 kDa	
Immunogen Catalog Number: AG7493	Observed MW: 60-65 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : human placenta tissue, mouse kidney tissue, rat kidney tissue
Cited Species: human	IF : U2OS cells,

Background Information

MCOLN1, also named MLIV, ML4, MG-2, and Mucolipidin, belongs to the transient receptor (TC 1A.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 Ca²⁺ 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Kui Wang	37471054	Autophagy	

Storage

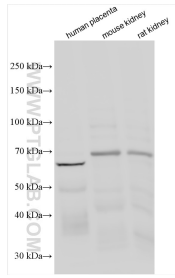
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

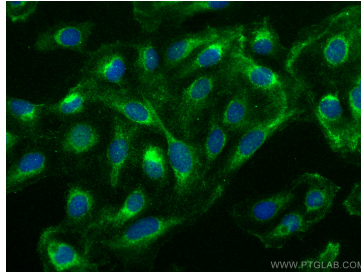
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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.



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).