

Datasheet for ABIN657474

anti-MCOLN1 antibody (C-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	400 µL
Target:	MCOLN1
Binding Specificity:	AA 531-560, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCOLN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MCOLN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 531-560 amino acids from the C-terminal region of human MCOLN1.
Clone:	RB33839
Isotype:	Ig Fraction
Predicted Reactivity:	Pr, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MCOLN1
Alternative Name:	MCOLN1 (MCOLN1 Products)

Target Details

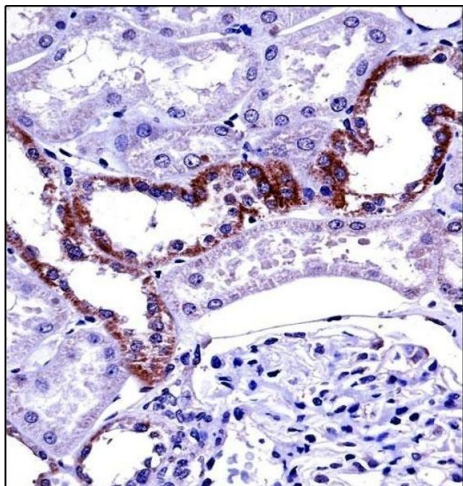
Background:	This gene encodes a member of the transient receptor potential (TRP) cation channel gene family. The transmembrane protein localizes to intracellular vesicular membranes including lysosomes, and functions in the late endocytic pathway and in the regulation of lysosomal exocytosis. The channel is permeable to Ca(2+), Fe(2+), Na(+), K(+), and H(+), and is modulated by changes in Ca(2+) concentration. Mutations in this gene result in mucopolipidosis type IV.
Molecular Weight:	65022
Gene ID:	57192
NCBI Accession:	NP_065394
UniProt:	Q9GZU1
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

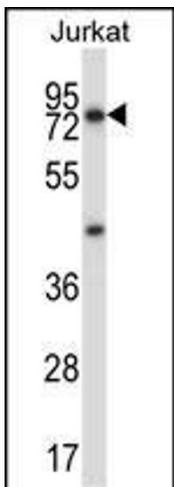
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	MCOLN1 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. MCOLN1 Antibody (C-term) ((ABIN657474 and ABIN2846502))immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MCOLN1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. MCOLN1 Antibody (C-term) (ABIN657474 and ABIN2846502) western blot analysis in Jurkat cell line lysates (35 µg/lane).This demonstrates the MCOLN1 antibody detected the MCOLN1 protein (arrow).