

# MCOLN2 Rabbit pAb

Catalog No.: A18560

## Basic Information

### Observed MW

75kDa

### Calculated MW

66kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human, Rat

## Background

Mucolipins constitute a family of cation channel proteins with homology to the transient receptor potential superfamily. In mammals, the mucolipin family includes 3 members, MCOLN1 (MIM 605248), MCOLN2, and MCOLN3 (MIM 607400), that exhibit a common 6-membrane-spanning topology. Homologs of mammalian mucolipins exist in *Drosophila* and *C. elegans*. Mutations in the human MCOLN1 gene cause mucopolipidosis IV (MIM 262650) (Karacsonyi et al., 2007 [PubMed 17662026]).

## Recommended Dilutions

**WB** 1:500 - 1:2000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

255231

### Swiss Prot

Q8IZK6

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

TRPML2; TRP-ML2; MCOLN2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

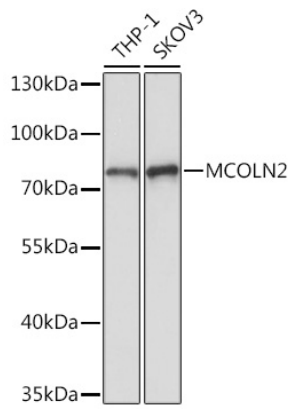
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of various lysates using MCOLN2 Rabbit pAb (A18560) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5s.