

Product datasheet for **TA338593**

Mucolipin 1 (MCOLN1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-MCOLN1 antibody: synthetic peptide directed towards the N terminal of human MCOLN1. Synthetic peptide located within the following region: FRHLFLLGYSDGADDTFAAYTREQLYQAIFHAVDQYLALPDVSLGRYAYV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	64 kDa
Gene Name:	mucolipin 1
Database Link:	NP_065394 Entrez Gene 57192 Human Q9GZU1



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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. [provided by RefSeq, Oct 2009]

Synonyms: MG-2; ML4; MLIV; MST080; MSTP080; TRP-ML1; TRPM-L1; TRPML1

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Rabbit: 100%; Rat: 93%; Horse: 93%; Mouse: 93%; Bovine: 93%; Guinea pig: 93%

Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Product images:



WB Suggested Anti-MCOLN1 Antibody Titration:
0.2-1 $\mu\text{g/ml}$; ELISA Titer: 1:62500; Positive Control:
Jurkat cell lysate