

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.

Note that this product is shipped as lyophilized powder to China customers.

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 mucolipidosis type IV.

[provided by RefSeq, Oct 2009]

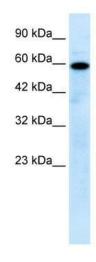
Synonyms: MG-2; ML4; MLIV; MST080; MSTP080; TRP-ML1; TRPM-L1; TRPML1

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 ug/ml; ELISA Titer: 1:62500; Positive Control:

Jurkat cell lysate