



# Rabbit Anti-Human MCOLN1 (C-terminal) polyclonal antibody (CABT-L513R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit polyclonal antibody to Human MCOLN1.
<b>Specificity</b>	Predicted cross-reactivity: Human, Mouse, Rat, Pig, Cow, Rabbit, Sheep, Monkey, Cat.
<b>Target</b>	MCOLN1
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human mucolipin 1: 501-580/580
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	<p>ELISA, IHC-P, IHC-F, ICC, IF</p> <p>Recommended Dilutions:</p> <p>ELISA: 1:5000-10000</p> <p>IHC-P: 1:100-500</p> <p>IHC-F: 1:100-500</p> <p>ICC: 1:100-500</p> <p>IF: 1:100-500</p> <p>Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.</p>
<b>Format</b>	Purified, Liquid

<b>Concentration</b>	Lot specific
<b>Size</b>	100 µL
<b>Buffer</b>	0.01M TBS(pH7.4) with 50% Glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Mucolipin 1 (MCOLN1, mucolipidin or TRPML1), is a member of TRP ion channels family and unlike most TRPs, mucolipin 1 primarily resides in the membranes of endocytic pathway (late endosomes/lysosomes). Widely expressed as multipass membrane protein, mucolipin 1's high expression levels are found in brain, liver and kidney.
<b>Keywords</b>	MCOLN1; mucolipin 1; mucolipin-1; ML4

## GENE INFORMATION

<b>Official Symbol</b>	MCOLN1
<b>Synonyms</b>	MCOLN1; mucolipin 1; mucolipin-1; ML4; MLIV; MST080; MSTP080; TRPM L1; TRPML1; MCLN1_HUMAN; Mcoln 1; MG 2; MG-2; MG2; ML 4; Mucolipidin; Mucolipin1; TRP ML1; mucolipidosis type IV protein; TRP-ML1; TRPM-L1
<b>Entrez Gene ID</b>	<a href="#">57192</a>
<b>UniProt ID</b>	<a href="#">Q9GZU1</a>