

LTC4 is exported from the cytosol by AB- CC1

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Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references

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Reactome database release: 82

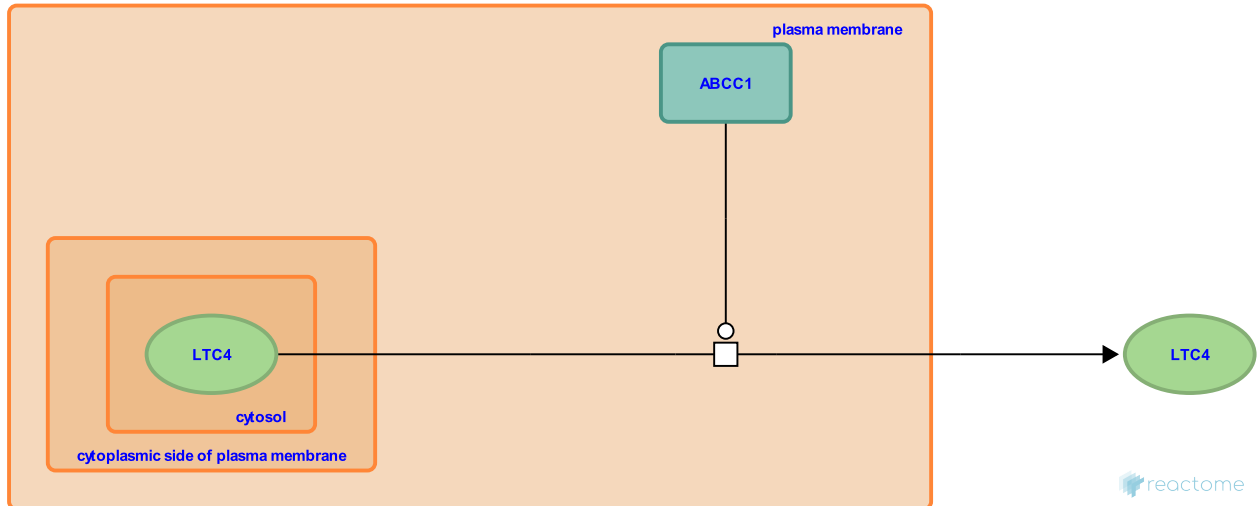
This document contains 1 reaction ([see Table of Contents](#))

LTC4 is exported from the cytosol by ABCC1 [↗](#)

Stable identifier: R-HSA-266070

Type: transition

Compartments: plasma membrane, cytosol, extracellular region



On formation, leukotriene C4 (LTC4) is exported to the extracellular region by the ABCC1 transporter (Sjolinder et al. 1999, Lam et al. 1989) and processed further by cleavage reactions.

Literature references

Soberman, RJ., Owen WF, Jr., Lam, BK., Austen, KF. (1989). The identification of a distinct export step following the biosynthesis of leukotriene C4 by human eosinophils. *J Biol Chem*, 264, 12885-9. [↗](#)

Hydman, J., Sjolinder, M., Tornhamre, S., Claesson, HE., Lindgren, J. (1999). Characterization of a leukotriene C4 export mechanism in human platelets: possible involvement of multidrug resistance-associated protein 1. *J Lipid Res*, 40, 439-46. [↗](#)

Editions

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