

20oh-LTB4 is oxidised to 20cho-LTB4 by CYP4F2/4F3

Rush, MG., Williams, MG.

European Bioinformatics Institute, New York University Langone Medical Center, Ontario Institute for Cancer Research, Oregon Health and Science University.

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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: 70

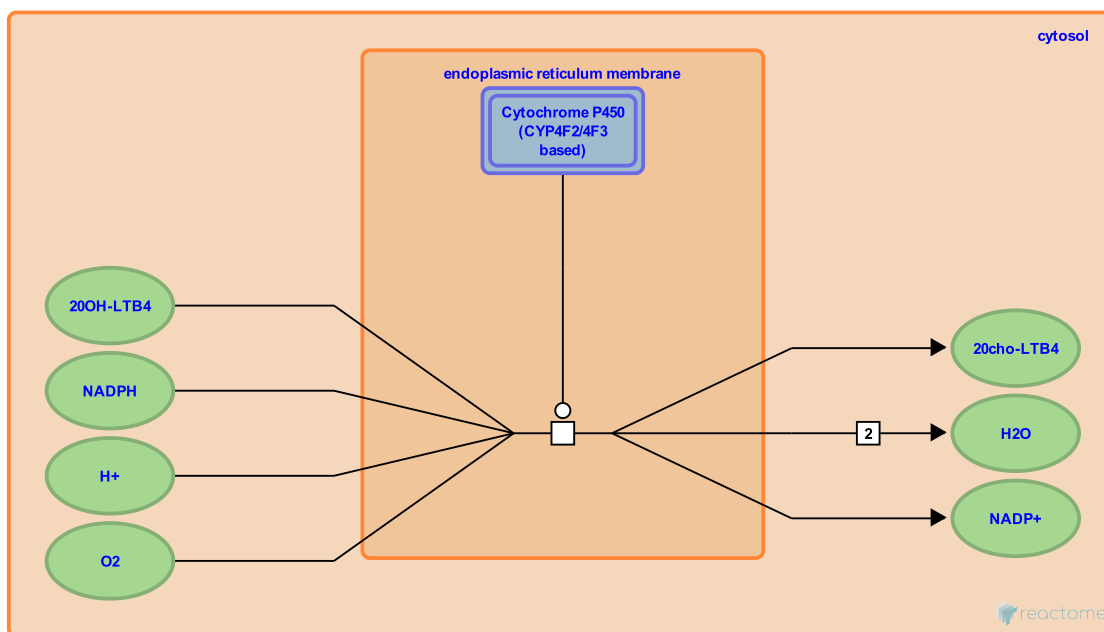
This document contains 1 reaction ([see Table of Contents](#))

20oh-LTB4 is oxidised to 20cho-LTB4 by CYP4F2/4F3 ↗

Stable identifier: R-HSA-2161745

Type: transition

Compartments: endoplasmic reticulum membrane, cytosol



The cytochrome P450s 4F2 (CYP4F2) and F3 (CYP4F3) oxidise the omega hydroxylated metabolite, 20-hydroxy-leukotriene B4 (20oh-LTB4) to form 20-aldehyde leukotriene B4 (20cho-LTB4) (Soberman et al. 1988).

Literature references

Soberman, RJ., Sutyak, JP., Okita, RT., Wendelborn, DF., Roberts LJ, 2nd., Austen, KF. (1988). The identification and formation of 20-aldehyde leukotriene B4. *J Biol Chem*, 263, 7996-8002. ↗

Editions

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