Spike trimer glycoside chains are extended

D'Eustachio, P., Stephan, R.
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


Reactome database release: 77

This document contains 1 reaction (see Table of Contents)
Spike trimer glycoside chains are extended

Stable identifier: R-HSA-9683648

Type: uncertain

Compartments: endoplasmic reticulum-Golgi intermediate compartment

Diseases: severe acute respiratory syndrome

In the cis- to medial Golgis, conversion of high-mannose to complex type N-glycans side chains of Spike occurs. The N-acetylglucosaminyltransferase called GlcNAc-TI (MGAT1) adds a GlcNAc residue in the core of some high-mannose chains (Ritchie et al, 2010; Nal et al, 2005, Song et al, 2004).

Literature references


Editions

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