SEC22B, CALR, STX4, TAP and TAPBP bind

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26/12/2022
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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references


Reactome database release: 83

This document contains 1 reaction (see Table of Contents)
SEC22B, CALR, STX4, TAP and TAPBP bind

Stable identifier: R-HSA-8863858

Type: binding

Compartments: endoplasmic reticulum-Golgi intermediate compartment membrane, phagocytic vesicle membrane

The interaction between the two compartments could involve either direct fusion of ER stacks to phagosomes (Phgs) or vesicular intermediates. In both cases, a fusion event between the ER or ER-derived membrane vesicles and Phgs must occur. The SNARE SEC22B localizes to the ER-Golgi intermediate compartment (ERGIC) and interacts with SNARE syntaxin 4 (STX4) on phagosomes (Phgs), mediating the recruitment of subset of ER components including transporter associated with antigen processing (TAP), to phagosomes (Cebrian et al. 2011).

Literature references


Editions

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<td>Authored, Edited</td>
<td>Garapati, P V.</td>
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<tr>
<td>2016-05-16</td>
<td>Reviewed</td>
<td>Bergeron, JJ.</td>
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