STIM1 activation of CRAC

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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


Reactome database release: 83

This document contains 1 reaction (see Table of Contents)
Sustained calcium signalling in lymphocytes and platelets requires the uptake of extracellular calcium when intracellular stores are depleted. The process whereby intracellular calcium depletion stimulates calcium uptake is often referred to as Store-operated calcium entry (SOCE). Store depletion is sensed by stromal interaction molecule 1 (STIM1), which then translocates to the plasma membrane and associates with 2 dimers of Orai to form a calcium-release activated calcium (CRAC) channel.

**Literature references**


**Editions**

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