IL7:p-Y449-IL7R:JAK1:IL2RG:JAK3:PI3K-regulatory subunits binds IRS1,IRS2

Duenas, C., Kumar, U.
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: 78

This document contains 1 reaction (see Table of Contents)

https://reactome.org
IL7:p-Y449-IL7R:JAK1:IL2RG:JAK3:PI3K-regulatory subunits binds IRS1,IRS2

Stable identifier: R-HSA-8983003

Type: omitted

Compartments: cytosol, extracellular region, plasma membrane

Insulin receptor substrate 1 and 2 (IRS1, IRS2) bind to activated Interleukin-7 receptor complex. Interleukin-7 (IL7) stimulation of human thymocytes results in the rapid tyrosine phosphorylation of IRS1 and IRS2.

This is a black box event because the kinase responsible for IRS phosphorylation is unclear.

Literature references


Editions

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<td>Authored</td>
<td>Duenas, C.</td>
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<tr>
<td>2017-07-26</td>
<td>Edited</td>
<td>Duenas, C.</td>
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