

IL24:p-IL20RA:p-JAK1:IL20RB binds STAT1,STAT3

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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: 88

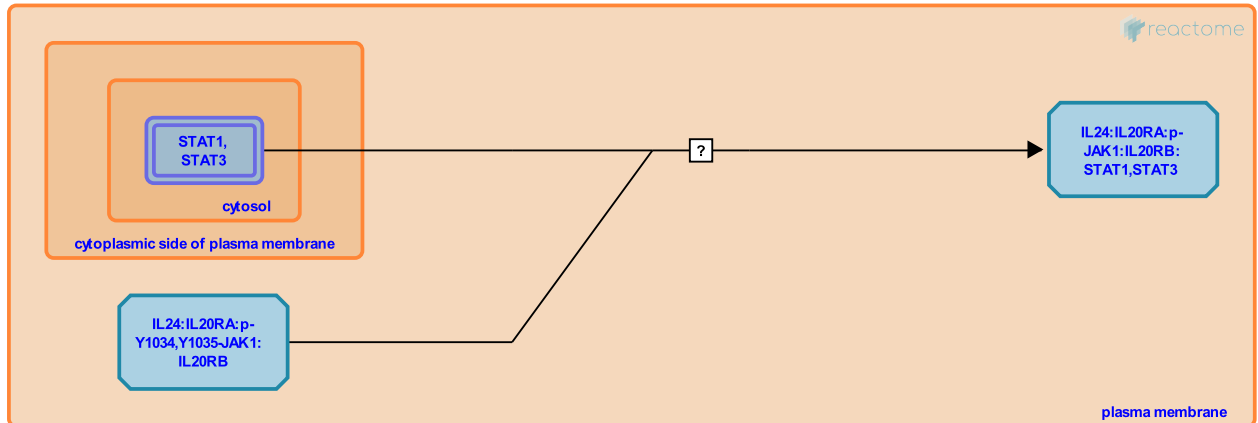
This document contains 1 reaction ([see Table of Contents](#))

IL24:p-IL20RA:p-JAK1:IL20RB binds STAT1,STAT3 [↗](#)

Stable identifier: R-HSA-8987097

Type: uncertain

Compartments: cytosol, extracellular region, plasma membrane



Signal transducer and activator of transcription 1 alpha/beta (STAT1) and Signal transducer and activator of transcription 3 (STAT3) are believed to bind the Interleukin-24 (IL24) receptor complex (Wang et al. 2002, Andoh et al. 2009, Parrish-Novak et al. 1998, Li et al. 2013). This is a black box event because STAT3 binding is inferred from other interleukin receptor ligand interactions where STAT3 activation is followed by a transient interaction with the receptor complex e.g. Interleukin-10 receptor (Weber-Nordt et al. 1996).

Literature references

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Editions

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