

Phosphorylated Lepr Binds 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: 76

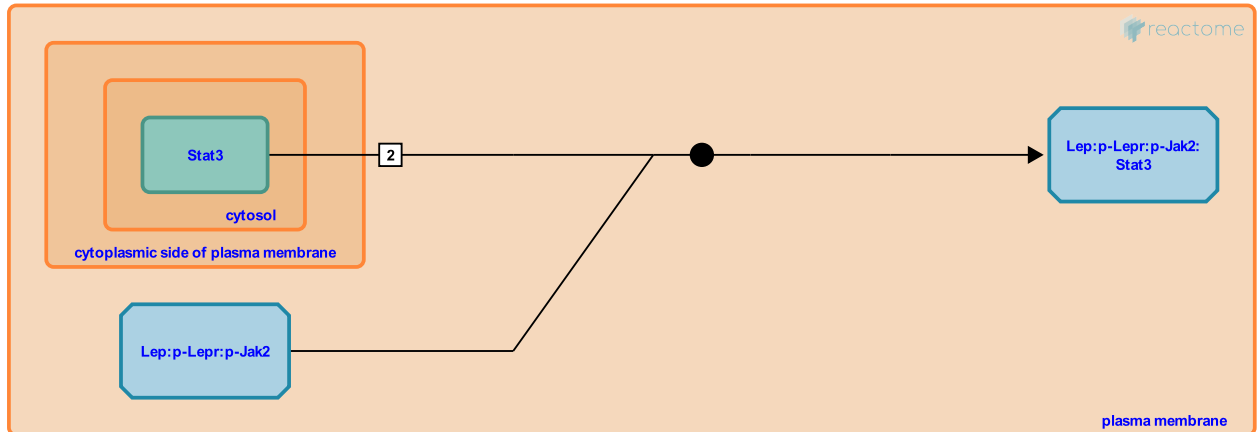
This document contains 1 reaction ([see Table of Contents](#))

Phosphorylated Lepr Binds Stat3 [↗](#)

Stable identifier: R-MMU-2671854

Type: binding

Compartments: plasma membrane, cytosol



Stat3 binds phosphotyrosine-1138 of Lepr. Stat3 activation by Lepr is required in the hypothalamus for acute reduction of food intake (Buettner et al. 2006).

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Editions

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