Phosphorylated LEPR Binds STAT5

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https://reactome.org
**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)

https://reactome.org
Phosphorylated LEPR Binds STAT5

**Stable identifier:** R-HSA-2671855

**Type:** binding

**Compartments:** plasma membrane, cytosol

**Inferred from:** Phosphorylated Lepr Binds Stat5 (Mus musculus)

STAT5 interacts with phosphotyrosine-1079 of LEPR in the LEP:LEPR:JAK2 complex, bringing STAT5 in proximity to the JAK2 kinase (Briscoe et al. 2001).

**Literature references**


**Editions**

<table>
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<th>Action</th>
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