Activated FGFR3 phosphorylates FRS3

Gotoh, N., Jupe, S., Mohammadi, M., Rothfels, K., de Bono, B.
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: 73

This document contains 1 reaction (see Table of Contents)
Activated FGFR3 phosphorylates FRS3

Stable identifier: R-HSA-5654628

Type: transition

Compartments: plasma membrane, cytosol, extracellular region

FRS3 (also known as FRS2 beta) is activated through tyrosine phosphorylation catalyzed by the protein kinase domain of the activated FGFR. By sequence comparison, FRS3 has the 2 PPTN11/SHP2-binding sites and has three of the four GRB2-binding sites.

Literature references


Editions

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