SHC1 phosphorylation by ERBB2 heterodimers

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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.

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Literature references


Reactome database release: 83

This document contains 1 reaction (see Table of Contents)
SHC1 phosphorylation by ERBB2 heterodimers

**Stable identifier:** R-HSA-1250195

**Type:** transition

**Compartments:** plasma membrane, cytosol, extracellular region

Once bound to ERBB2 heterodimers, SHC1 is phosphorylated on tyrosine residues by the tyrosine kinase activity of either ERBB2 or its heterodimerization partners EGFR and ERBB4 (Segatto et al. 1993, Soler et al. 1994).

**Literature references**


**Editions**

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