Binding of p85 subunit of PI3K (PIK3R1) to p-ERBB4cyt1 homodimers

Earp HS, 3rd., Harris, RC., Matthews, L., Misior, AM., Orlic-Milacic, M., Stern, DF., Zeng, F.

European Bioinformatics Institute, New York University Langone Medical Center, Ontario Institute for Cancer Research, Oregon Health and Science University.

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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


Reactome database release: 83

This document contains 1 reaction (see Table of Contents)
Binding of p85 subunit of PI3K (PIK3R1) to p-ERBB4cyt1 homodimers

**Stable identifier:** R-HSA-1250353

**Type:** binding

**Compartments:** plasma membrane, extracellular region

p85 subunit of PI3K (PIK3R1) directly binds to phosphorylated ERBB4 CYT1 homodimers through docking tyrosine residues on either ERBB4 JM A CYT1 (tyrosine Y1056) or ERBB4 JM B CYT1 (tyrosine Y1046) isoform (Cohen et al. 1996, Kainulainen et al. 2000, Kaushansky et al. 2008).

**Literature references**


**Editions**

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