PEX19:PEX3 binds PEX16

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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: 78

This document contains 1 reaction (see Table of Contents)
PEX19:PEX3 binds PEX16

**Stable identifier:** R-HSA-9603797

**Type:** binding

**Compartments:** peroxisomal membrane

**Inferred from:** PEX19:Pex3 binds PEX16 (Homo sapiens)

The cytosolic PEX19:PEX3 complex binds PEX16 located in the peroxisomal membrane (inferred from human PEX19, human PEX16, and rat Pex3). Thus PEX16 serves as a docking factor. PEX3 is believed to be inserted in the peroxisomal membrane by this pathway and by direct co-translational insertion in the membrane of the endoplasmic reticulum that then buds to generate peroxisomes.

**Editions**

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