

# **PEX2:PEX10:PEX12:Ub:PEX5L:PEX7:PEX13 :PEX14 binds PEX1:PEX6:PEX26 and ZFAND6**

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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

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Reactome database release: 88

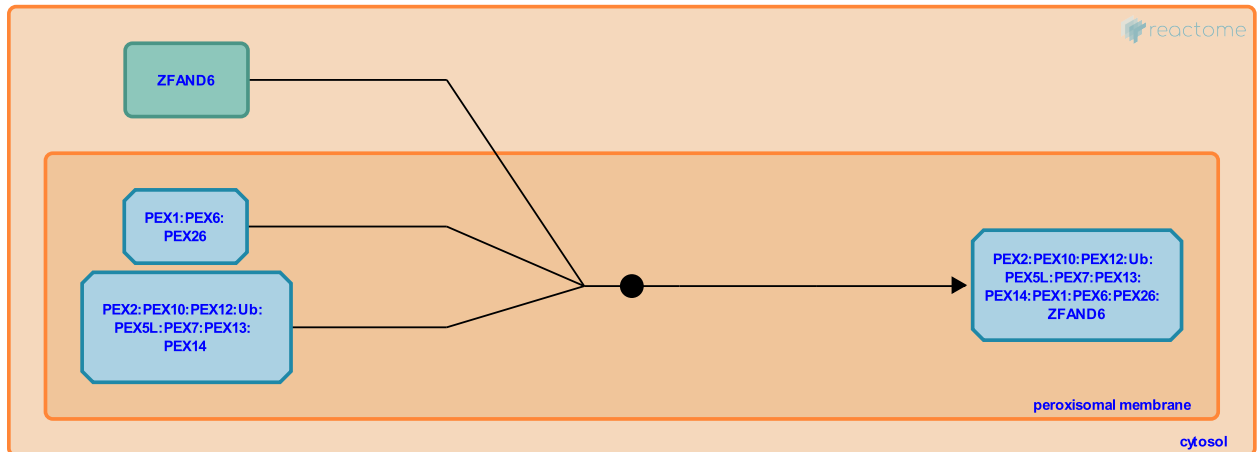
This document contains 1 reaction ([see Table of Contents](#))

## PEX2:PEX10:PEX12:Ub:PEX5L:PEX7:PEX13:PEX14 binds PEX1:PEX6:PEX26 and ZFAND6 ↗

**Stable identifier:** R-HSA-9033516

**Type:** binding

**Compartments:** peroxisomal membrane



PEX1:PEX6:PEX26 (known as the Receptor Export Module) extracts ubiquitinated PEX5L from the peroxisomal membrane Docking and Translocation Module (Tamura et al. 2006, Tamura et al. 2014). PEX1 and PEX6 are soluble proteins that form a hexameric ring bound to PEX26 in the peroxisomal membrane (Matsumoto et al. 2003, Welle et al. 2005). ZFAND6 (AWP1) probably binds to ubiquitinated PEX5 and PEX6 and acts as an export factor (Miyata et al. 2012).

### Literature references

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### Editions

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