

CEP164 recruits RAB3IP-carrying Golgi-derived vesicles to the basal body

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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: 74

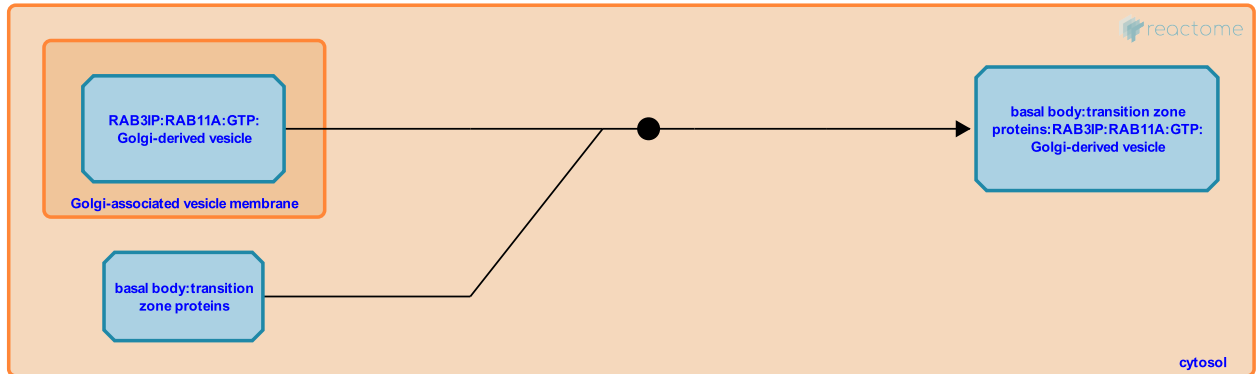
This document contains 1 reaction ([see Table of Contents](#))

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Stable identifier: R-HSA-5638009

Type: binding

Compartments: cytosol



The distal appendage protein CEP164 interacts with RAB3IP, and in this way recruits Golgi-derived vesicles to the basal body to initiate ciliary membrane biogenesis (Schmidt et al, 2012; Westlake et al, 2011; Rohatgi and Snell, 2010). RAB3IP recruitment to the distal appendages of centrioles promotes the appropriate localization and activation of RAB8A (Nachury et al, 2007; Yoshimura et al, 2007; Westlake et al, 2011; Schmidt et al, 2012).

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Editions

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