Translocation of Aquaporin-2 from intra-cellular vesicles to the apical plasma membrane

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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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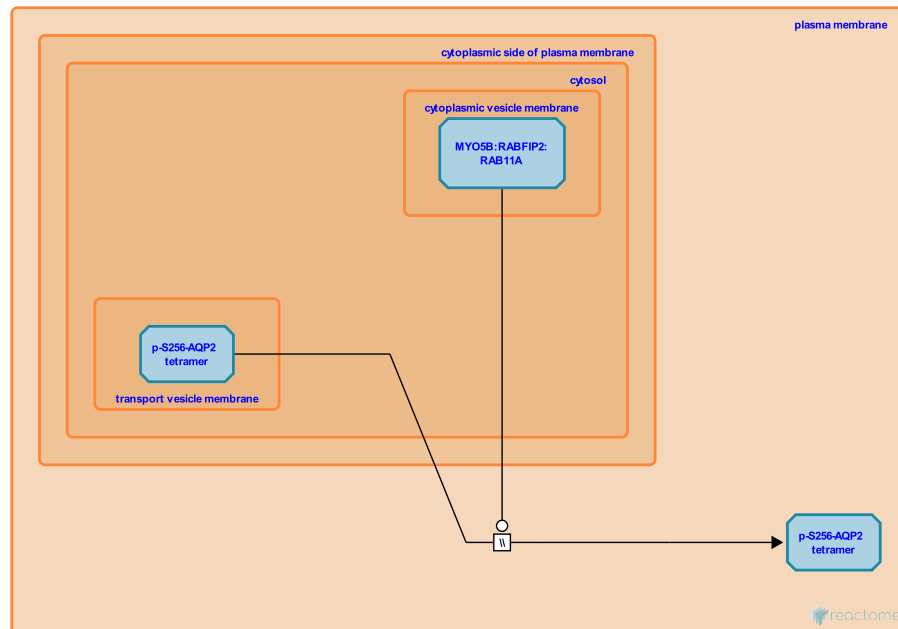
Reactome database release: 88

This document contains 1 reaction (see Table of Contents)

Translocation of Aquaporin-2 from intracellular vesicles to the apical plasma membrane ↗

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Type: omitted

Compartments: plasma membrane, transport vesicle membrane

Intracellular vesicles bearing phosphorylated Aquaporin-2 tetramers are transported to the plasma membrane by a mechanism that may involve motor activity of myosin VB (inferred from rat, Nedvetsky et al. 2007) and dynein (inferred from toad bladder, Marples et al. 1996).

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Editions

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