Aquaporin-3 passively transports water out of cell

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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)
Aquaporin-3 passively transports water out of cell

**Stable identifier:** R-HSA-445714

**Type:** transition

**Compartments:** plasma membrane, cytosol, extracellular region

Aquaporin-3 (AQP3) passively transports water and glycerol across the plasma membrane according to the osmotic gradient. AQP3 is expressed in airway epithelia, secretory glands, skin, the collecting ducts of the kidney, and the basolateral surface of intestinal epithelium.

**Literature references**


**Editions**

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