DAG and IP3 signaling

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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: 72

This document contains 2 pathways and 4 reactions (see Table of Contents)
DAG and IP3 signaling

Stable identifier: R-HSA-1489509

Compartments: cytosol, extracellular region, plasma membrane

This pathway describes the generation of DAG and IP3 by the PLCgamma-mediated hydrolysis of PIP2 and the subsequent downstream signaling events.

Literature references


Editions

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Active PLCG1 hydrolyses PIP2

Location: DAG and IP3 signaling

Stable identifier: R-HSA-167686