PDPK1 binds PIP2

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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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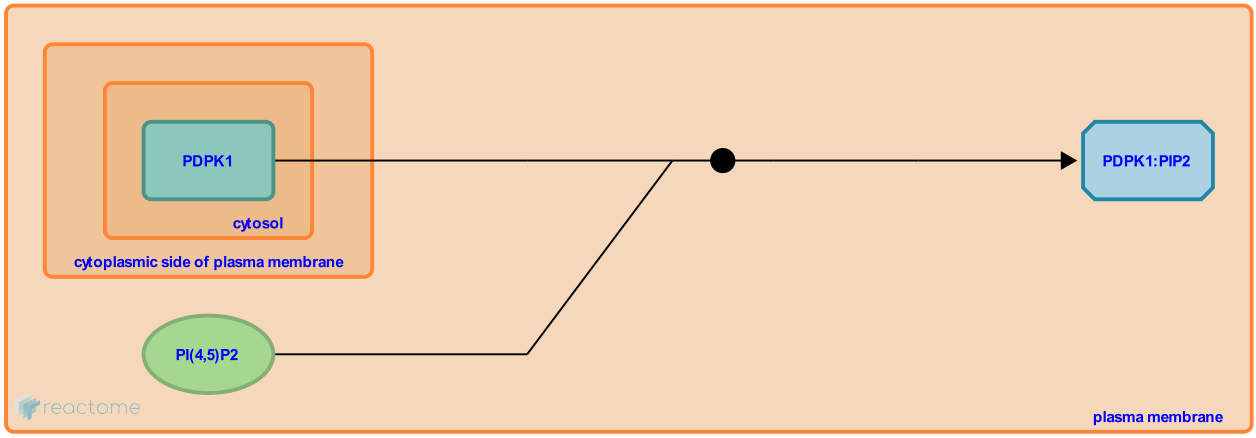
PDPK1 binds PIP2

Stable identifier: R-HSA-2219524

Type: binding

Compartments: cytosol, plasma membrane



PDPK1 (PDK1) possesses low affinity for PIP2, so small amounts of PDPK1 are always present at the membrane, in the absence of PI3K activity (Currie et al. 1999).

Literature references

Alessi, DR., Cohen, P., Downes, CP., Casamayor, A., Lucocq, J., Currie, RA. et al. (1999). Role of phosphatidylinositol 3,4,5-trisphosphate in regulating the activity and localization of 3-phosphoinositide-dependent protein kinase-1. *Biochem J, 337*, 575-83.

Editions

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