NMDA receptor

complex:DLG2,DLG3,DLG4 binds SPAR

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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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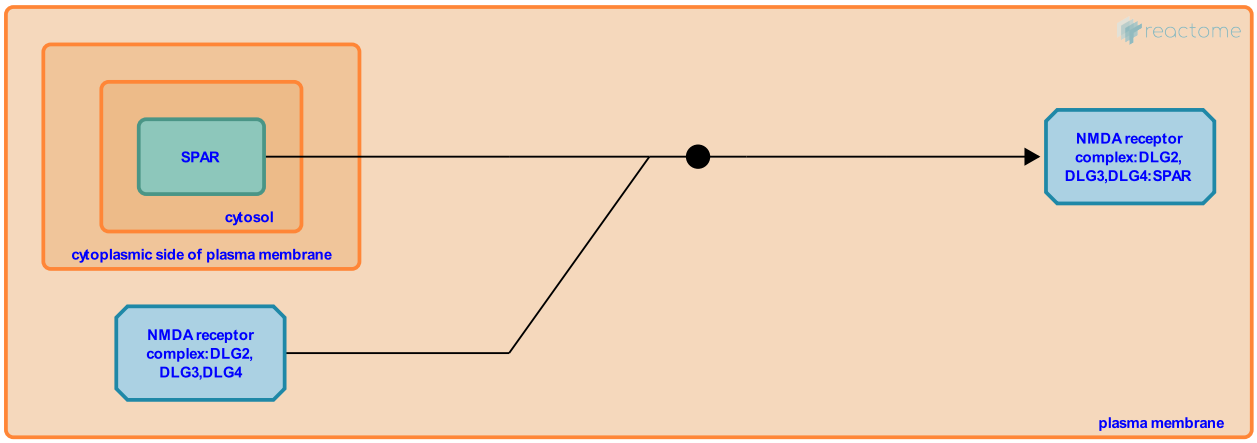
NMDA receptor complex:DLG2,DLG3,DLG4 binds SPAR ↗

Stable identifier: R-HSA-6794349

Type: binding

Compartments: plasma membrane, cytosol

Inferred from: Spar binds Psd-95 (Rattus norvegicus)



Spine-Associated RapGAP (SPAR) is a postsynaptic Rap-specific GTPase-activating protein (RapGAP) that reorganizes actin cytoskeleton and drives dentritic spine head growth. SPAR interacts with the guanylate kinase-like (GK) domain of Disks large homolog proteins (DSGs) forming a complex with NMDA receptors in brain (Pak et al. 2001).

Editions

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