Interaction of L1 with Laminin-1

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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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Fabregat, A., Jupe, S., Matthews, L., Sidiropoulos, K., Gillespie, M., Garapati, P. et al. (2018). The Reactome Pathway Knowledgebase. *Nucleic Acids Res, 46*, D649-D655. ↗

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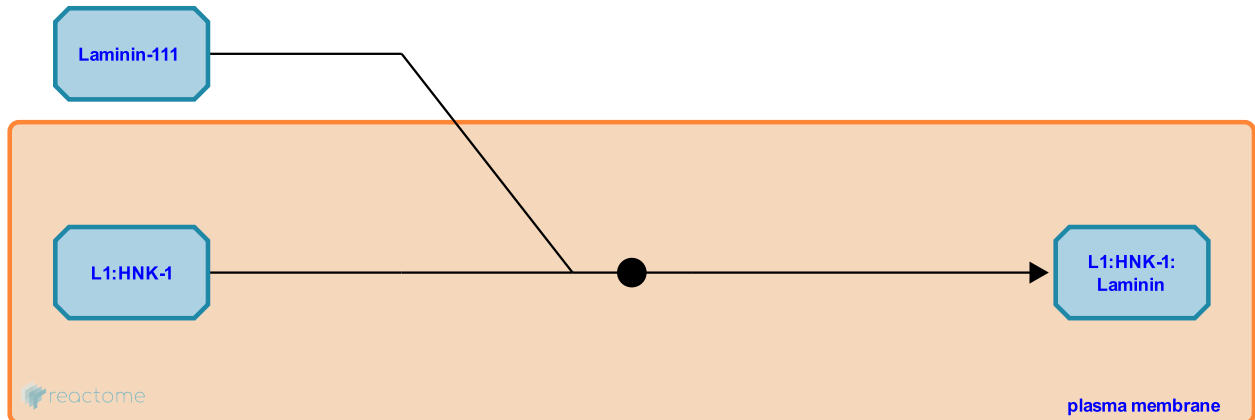
Reactome database release: 88

This document contains 1 reaction (see Table of Contents)

Interaction of L1 with Laminin-1 ↗

Stable identifier: R-MMU-443785

Type: binding

Compartments: extracellular region, plasma membrane

While HNK-1 (human natural killer 1) carbohydrate is expressed on several kinds of cell adhesion molecules in the nervous system, L1CAM is the major carrier of HNK-1 carbohydrate. HNK-1 also functions as a ligand for Laminin. L1 binds in a concentration-dependent and saturating manner to Laminin in presence of HNK-1.

Literature references

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Editions

2008-07-30	Authored, Edited	Garapati, P V.
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