

Reinsertion of L1 into the plasma membrane

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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: 75

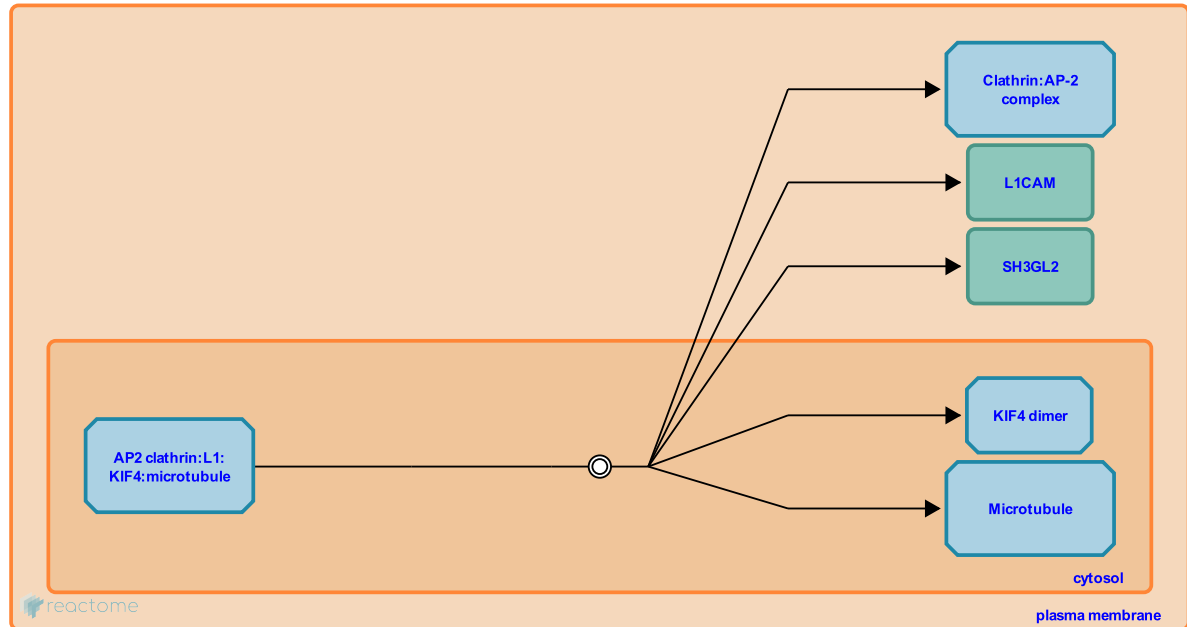
This document contains 1 reaction ([see Table of Contents](#))

Reinsertion of L1 into the plasma membrane [↗](#)

Stable identifier: R-HSA-445071

Type: dissociation

Compartments: cytosol, plasma membrane



L1 transported to the P-domain of growth cones is reinserted into the plasma membrane at the leading edge.

Literature references

Kamiguchi, H., Lemmon, V. (2000). Recycling of the cell adhesion molecule L1 in axonal growth cones. *J Neurosci*, 20, 3676-86. [↗](#)

Peretti, D., Peris, L., Rosso, S., Quiroga, S., Caceres, A. (2000). Evidence for the involvement of KIF4 in the antero-grade transport of L1-containing vesicles. *J Cell Biol*, 149, 141-52. [↗](#)

Editions

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