

# Ena/VASP binds Robo1:Slit2 complex

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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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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
- 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

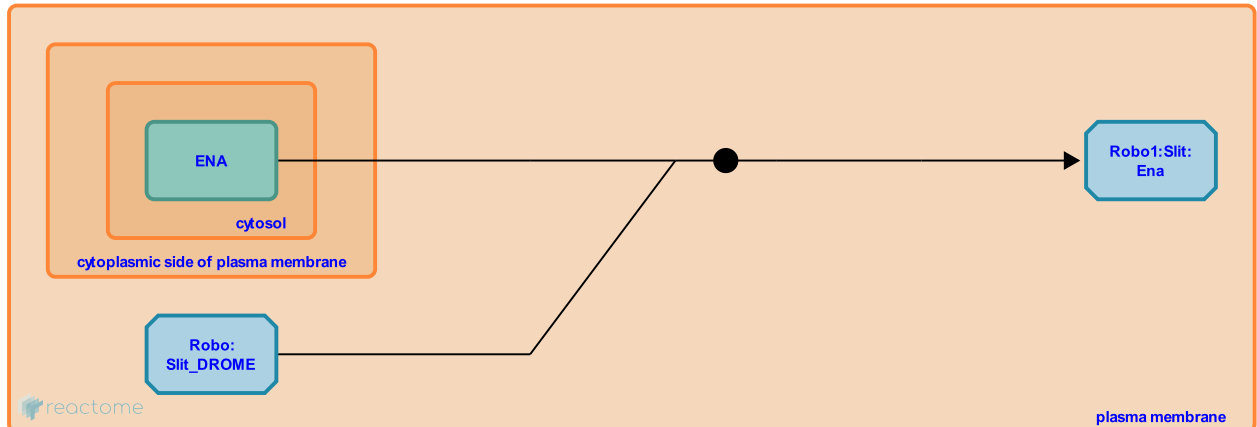
This document contains 1 reaction ([see Table of Contents](#))

## Ena/VASP binds Robo1:Slit2 complex [↗](#)

**Stable identifier:** R-DME-434963

**Type:** binding

**Compartments:** cytosol, plasma membrane



In *Drosophila*, Ena is required in part for Robo's repulsive output. Ena directly interacts with Robo1. Robo1 CC2 (LPPPP) motif is the consensus binding site for the EVH1 domain of Ena (Bashaw et al. 2000).

### Literature references

Pawson, T., Bashaw, GJ., Goodman, CS., Kidd, T., Murray, D. (2000). Repulsive axon guidance: Abelson and Enabled play opposing roles downstream of the roundabout receptor. *Cell*, 101, 703-15. [↗](#)

### Editions

2008-09-05	Authored, Edited	Garapati, P V.
2009-08-18	Reviewed	Kidd, T.
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