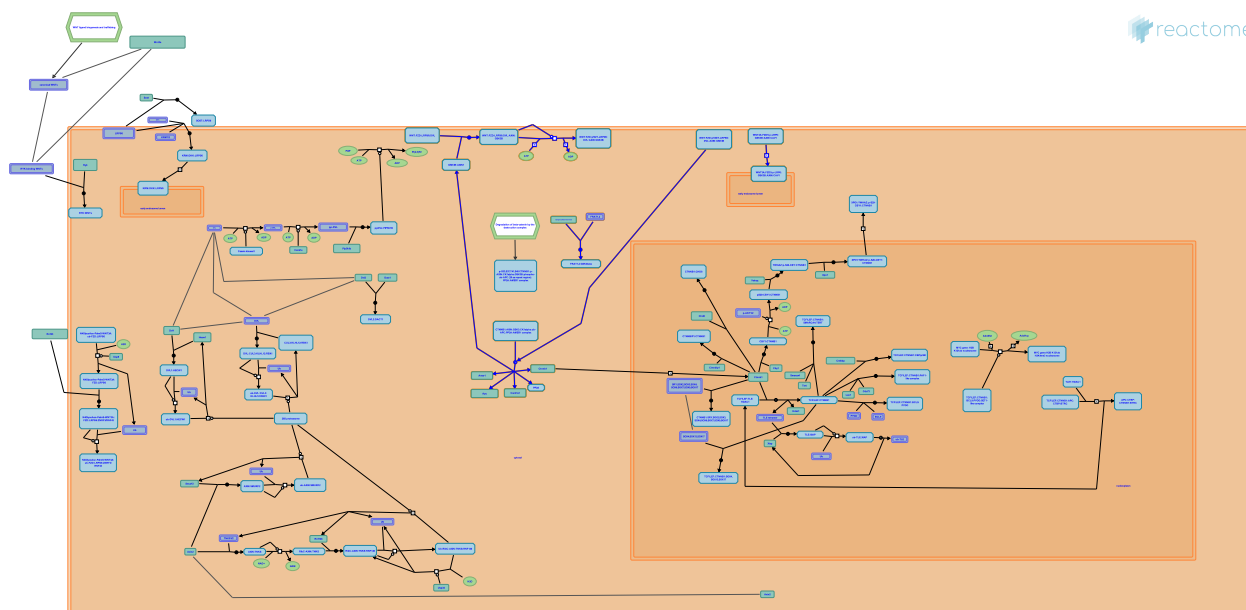


Disassembly of the destruction complex and recruitment of AXIN to the membrane



European Bioinformatics Institute, New York University Langone Medical Center, Ontario Institute for Cancer Research, Oregon Health and Science University.

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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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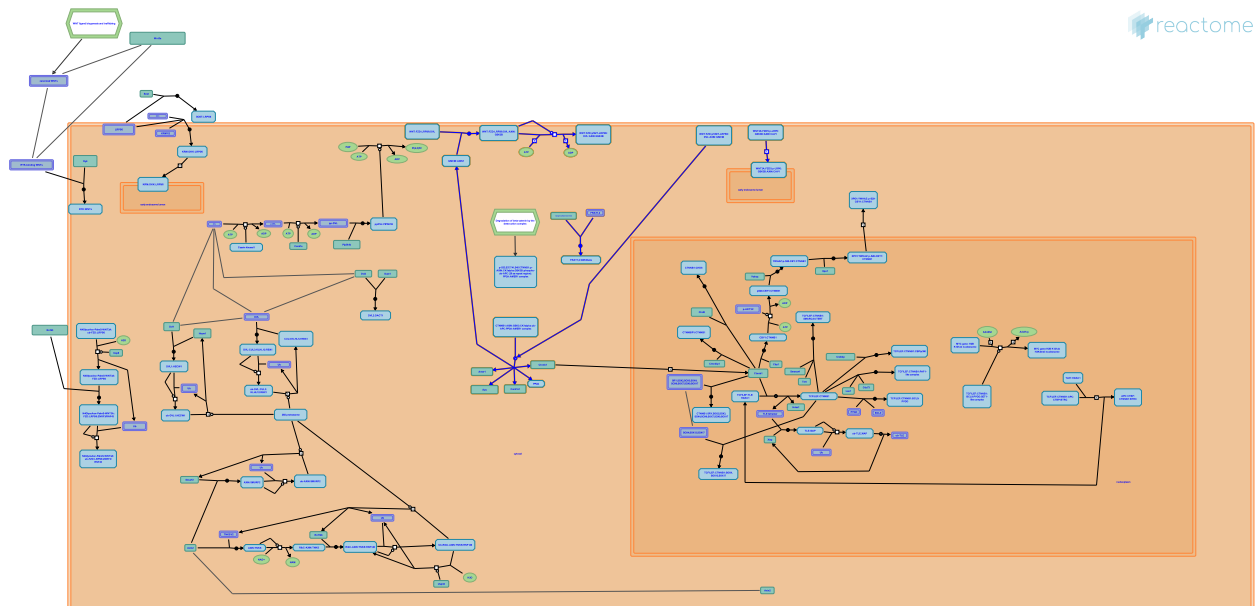
Reactome database release: 75

This document contains 1 pathway and 5 reactions ([see Table of Contents](#))

Disassembly of the destruction complex and recruitment of AXIN to the membrane [↗](#)

Stable identifier: R-RNO-4641262

Inferred from: [Disassembly of the destruction complex and recruitment of AXIN to the membrane \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

FRAT proteins bind GSK3beta ↗

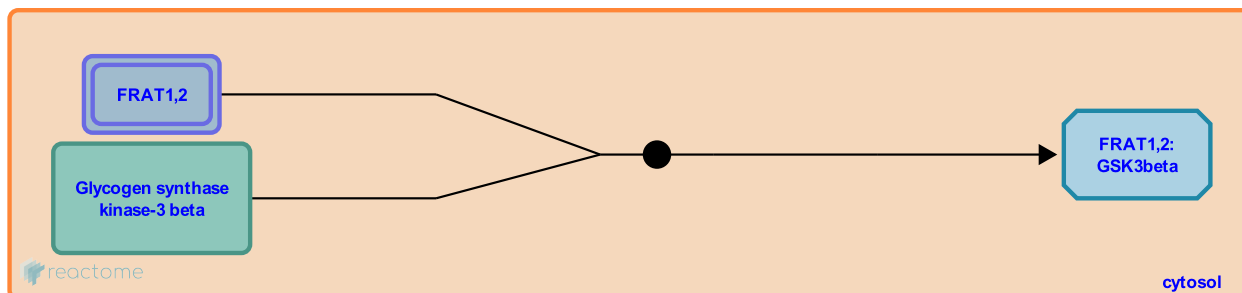
Location: [Disassembly of the destruction complex and recruitment of AXIN to the membrane](#)

Stable identifier: R-RNO-5323526

Type: binding

Compartments: cytosol

Inferred from: [FRAT proteins bind GSK3beta \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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DVL recruits GSK3beta:AXIN1 to the receptor complex ↗

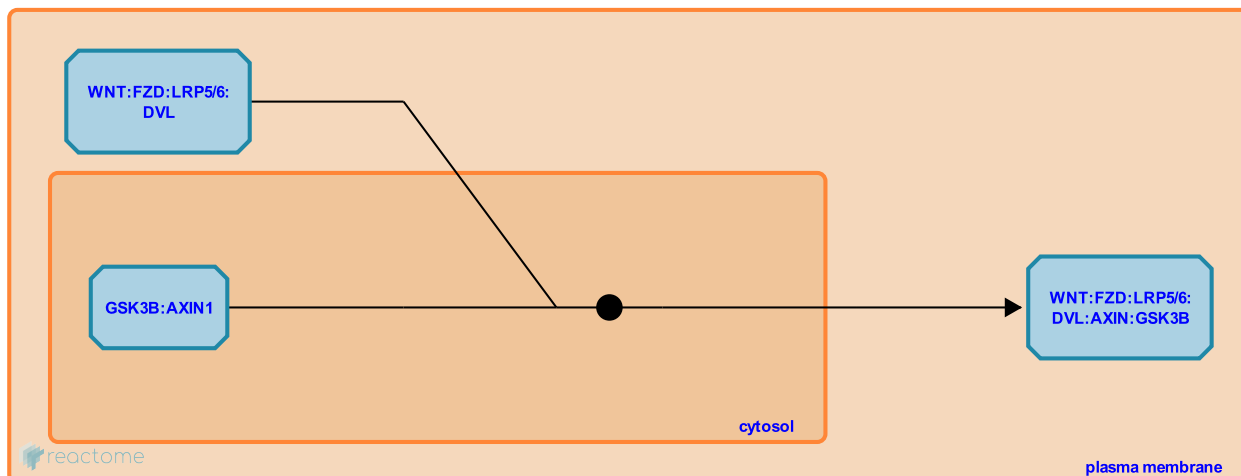
Location: [Disassembly of the destruction complex and recruitment of AXIN to the membrane](#)

Stable identifier: R-RNO-1504186

Type: binding

Compartments: cytosol, plasma membrane

Inferred from: [DVL recruits GSK3beta:AXIN1 to the receptor complex \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

Preceded by: [Beta-catenin is released from the destruction complex](#)

Followed by: [Phosphorylation of LRP5/6 cytoplasmic domain by membrane-associated GSK3beta](#)

Phosphorylation of LRP5/6 cytoplasmic domain by membrane-associated GSK3beta



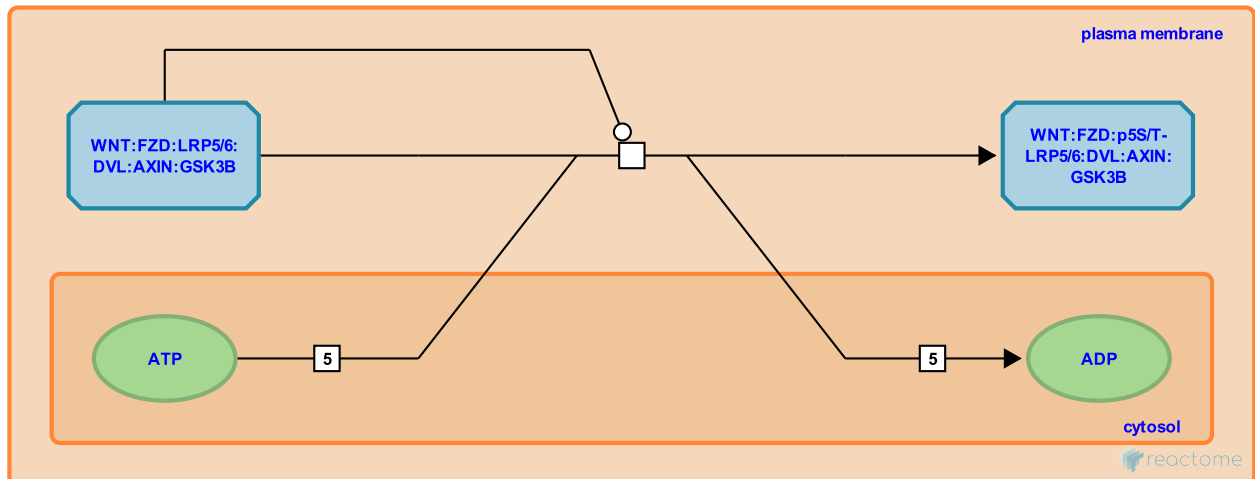
Location: Disassembly of the destruction complex and recruitment of AXIN to the membrane

Stable identifier: R-RNO-201677

Type: transition

Compartments: plasma membrane, cytosol, extracellular region

Inferred from: Phosphorylation of LRP5/6 cytoplasmic domain by membrane-associated GSK3beta (Homo sapiens)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

Preceded by: [DVL recruits GSK3beta:AXIN1 to the receptor complex](#)

WNT3A stimulates the caveolin-dependent internalization of FZD5:p-LRP6 ↗

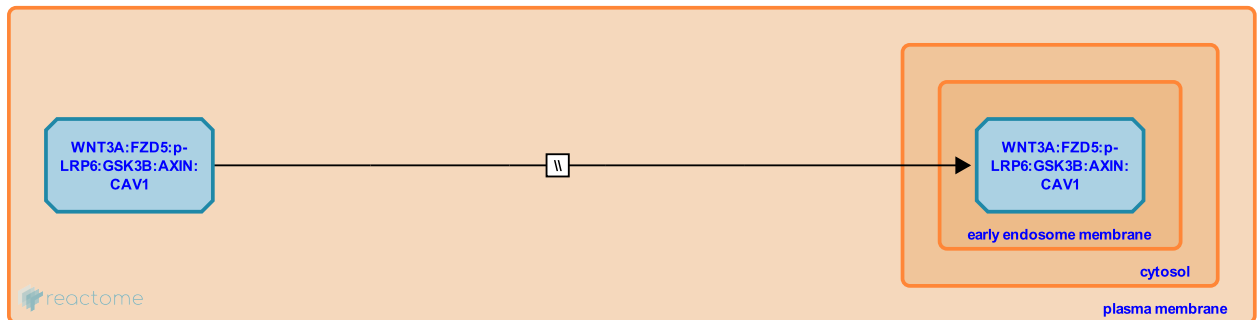
Location: Disassembly of the destruction complex and recruitment of AXIN to the membrane

Stable identifier: R-RNO-5368596

Type: omitted

Compartments: plasma membrane, early endosome membrane

Inferred from: WNT3A stimulates the caveolin-dependent internalization of FZD5:p-LRP6 (Homo sapiens)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

Beta-catenin is released from the destruction complex ↗

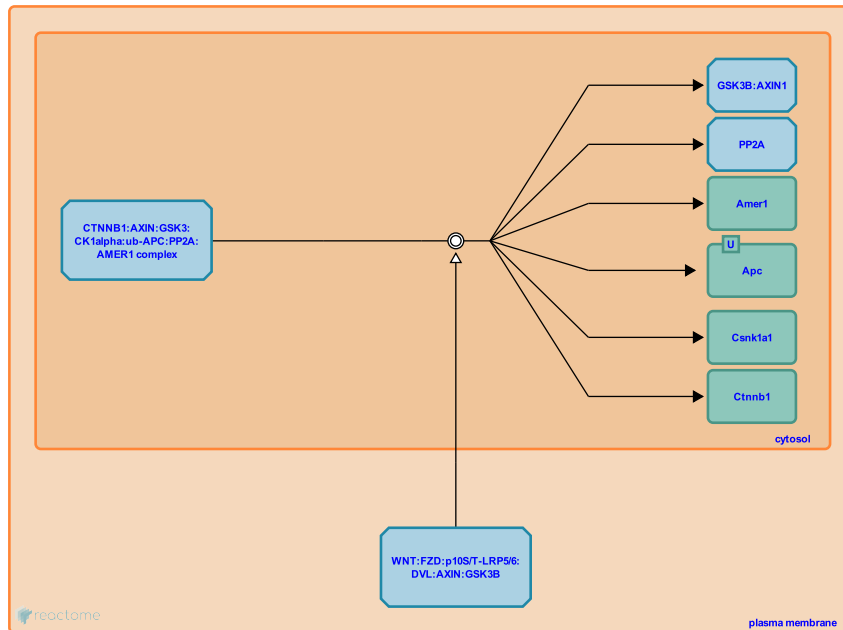
Location: [Disassembly of the destruction complex and recruitment of AXIN to the membrane](#)

Stable identifier: R-RNO-201685

Type: dissociation

Compartments: cytosol

Inferred from: [Beta-catenin is released from the destruction complex \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

Followed by: [DVL recruits GSK3beta:AXIN1 to the receptor complex](#)

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