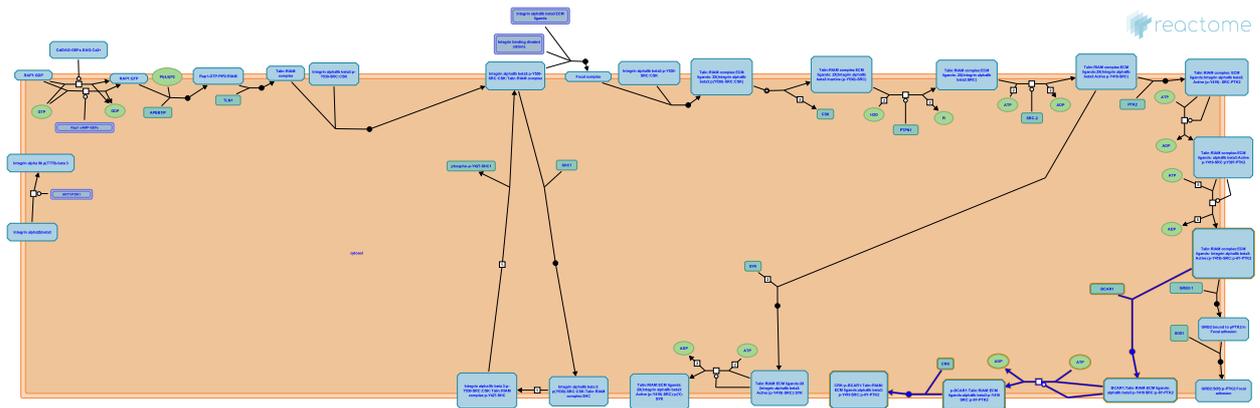


p130Cas linkage to MAPK signaling for integrins



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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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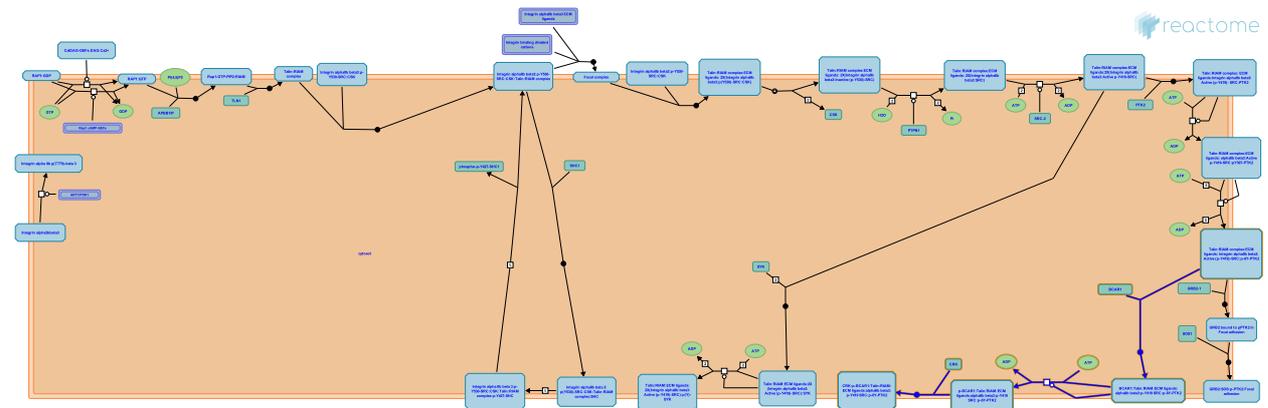
Reactome database release: 70

This document contains 1 pathway and 3 reactions ([see Table of Contents](#))

p130Cas linkage to MAPK signaling for integrins ↗

Stable identifier: R-MMU-372708

Inferred from: p130Cas linkage to MAPK signaling for integrins (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>

Recruitment of BCAR1 to PTK2 complex ↗

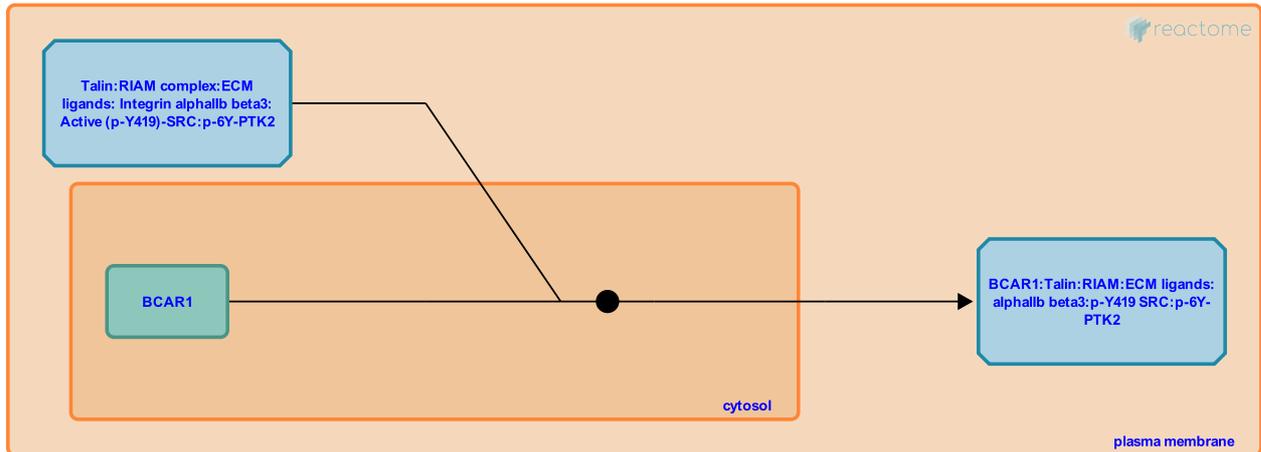
Location: [p130Cas linkage to MAPK signaling for integrins](#)

Stable identifier: R-MMU-372705

Type: binding

Compartments: cytosol, plasma membrane

Inferred from: [Recruitment of BCAR1 to PTK2 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: [Phosphorylation of BCAR1 by SRC-PTK2 complex](#)

Phosphorylation of BCAR1 by SRC-PTK2 complex ↗

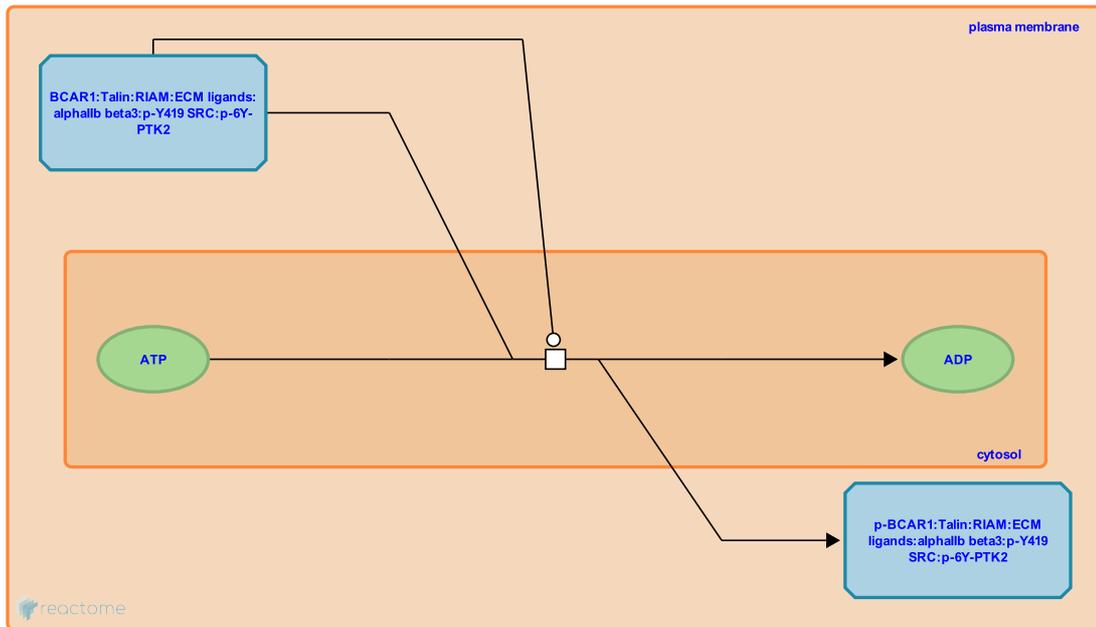
Location: [p130Cas linkage to MAPK signaling for integrins](#)

Stable identifier: R-MMU-372693

Type: transition

Compartments: cytosol, plasma membrane

Inferred from: [Phosphorylation of BCAR1 by SRC-PTK2 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: [Recruitment of BCAR1 to PTK2 complex](#)

Followed by: [Crk binding to p130cas](#)

Crk binding to p130cas ↗

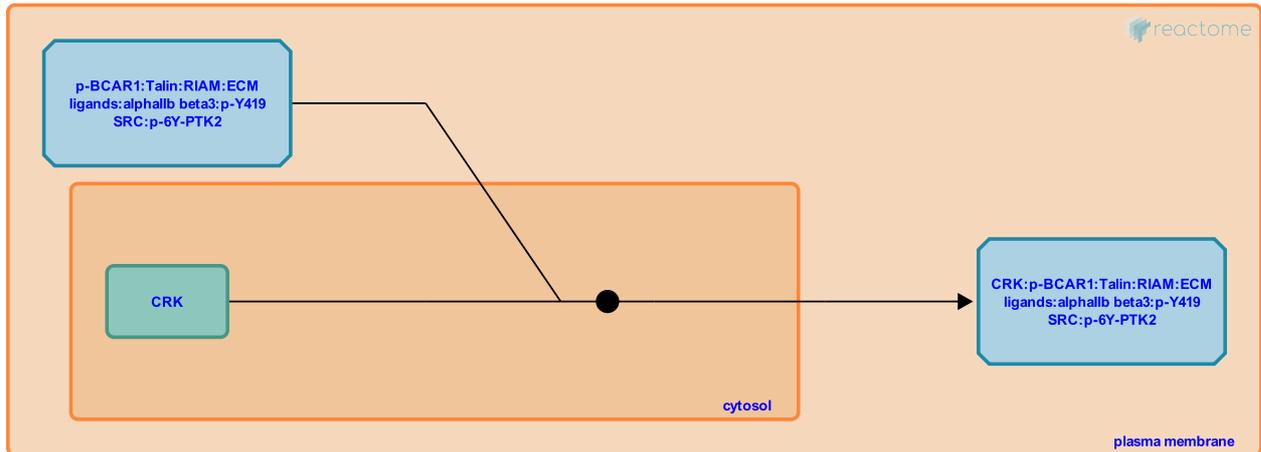
Location: [p130Cas linkage to MAPK signaling for integrins](#)

Stable identifier: R-MMU-372697

Type: binding

Compartments: cytosol, plasma membrane

Inferred from: [Crk binding to p130cas \(Homo sapiens\)](#)



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: [Phosphorylation of BCAR1 by SRC-PTK2 complex](#)

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