

PARVB interacts with Alpha-actinin

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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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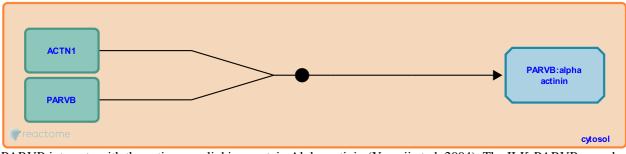
This document contains 1 reaction (see Table of Contents)

PARVB interacts with Alpha-actinin *对*

Stable identifier: R-HSA-430308

Type: binding

Compartments: cytosol



PARVB interacts with the actin cross-linking protein Alpha-actinin (Yamaji et al. 2004). The ILK-PARVB complex may serve as an integrin-anchoring site for alpha-actinin and thereby mediate integrin signaling to alpha-actinin, which has been shown to play an important role in actin polymerization at focal adhesions (Yamaji et al., 2004).

Literature references

Fujisawa, S., Kanamori, H., Ohno, S., Takasaki, H., Yamaji, S., Ishigatsubo, Y. et al. (2004). Affixin interacts with alpha-actinin and mediates integrin signaling for reorganization of F-actin induced by initial cell-substrate interaction. J Cell Biol, 165, 539-51. ↗

Editions

2009-10-12	Authored	Matthews, L.
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