

Adhesion of integrin alphaIIb beta3 to fibrin network

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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. [↗](#)

Fabregat, A., Korninger, F., Viteri, G., Sidiropoulos, K., Marin-Garcia, P., Ping, P. et al. (2018). Reactome graph database: Efficient access to complex pathway data. *PLoS computational biology*, 14, e1005968. [↗](#)

Reactome database release: 88

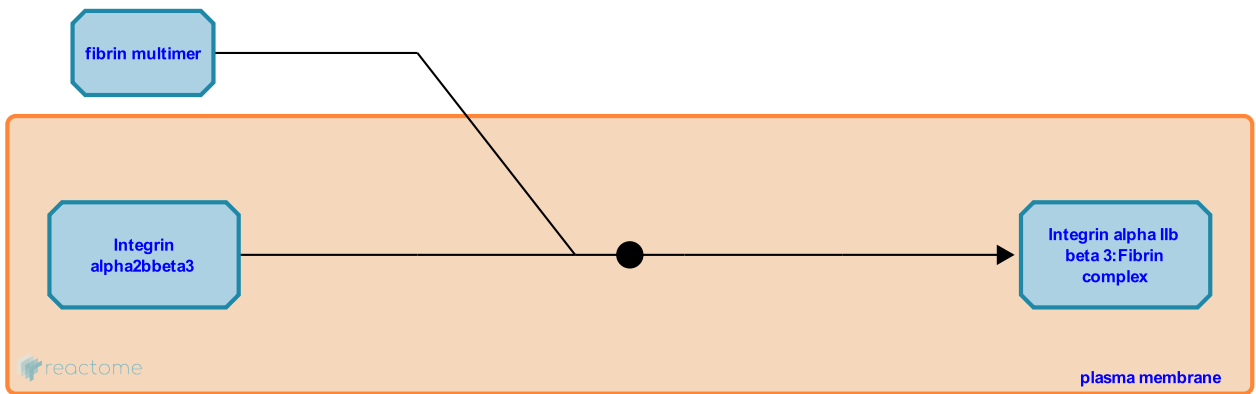
This document contains 1 reaction ([see Table of Contents](#))

Adhesion of integrin alphaIIbbeta3 to fibrin network [↗](#)

Stable identifier: R-HSA-114560

Type: binding

Compartments: extracellular region, plasma membrane



At the beginning of this reaction, 1 molecule of 'fibrin multimer', and 1 molecule of 'Alpha IIb Beta 3 Integrin' are present. At the end of this reaction, 1 molecule of 'Integrin alpha IIb beta 3:Fibrin complex' is present.

Literature references

Shattil, SJ. (1999). Signaling through platelet integrin alpha IIb beta 3: inside-out, outside-in, and sideways. *Thromb Haemost*, 82, 318-25. [↗](#)

Editions

2008-05-07	Authored	Geiger, B., Horwitz, AR.
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