

Interaction of integrin alphaIIb beta3 with von Willebrand factor

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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: 77

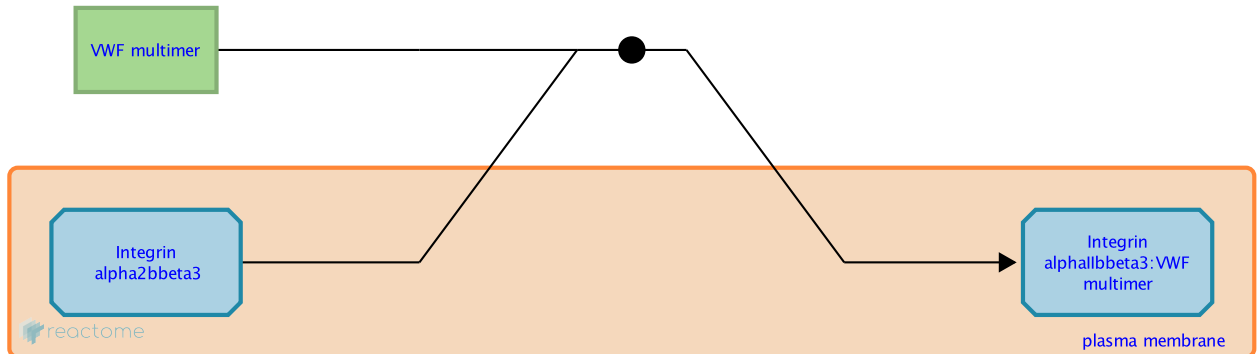
This document contains 1 reaction ([see Table of Contents](#))

Interaction of integrin alphaIIbeta3 with von Willebrand factor ↗

Stable identifier: R-HSA-216072

Type: binding

Compartments: extracellular region, plasma membrane



Integrin alphaIIbeta3 (glycoprotein IIb-IIIa, GP IIb-IIIa) is one of the major platelet receptor that is involved in aggregation and adhesion of platelets. In resting stage alphaIIbeta3 is inactive and does not interact with its ligands but upon activation or vascular injury it binds to the ECM protein von Willebrand factor (vWf) and stimulate the platelet aggregation.

Literature references

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Editions

2008-03-11	Edited	Garapati, P V.
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