

NOTCH1 PEST domain mutants bind JAG2

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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: 81

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

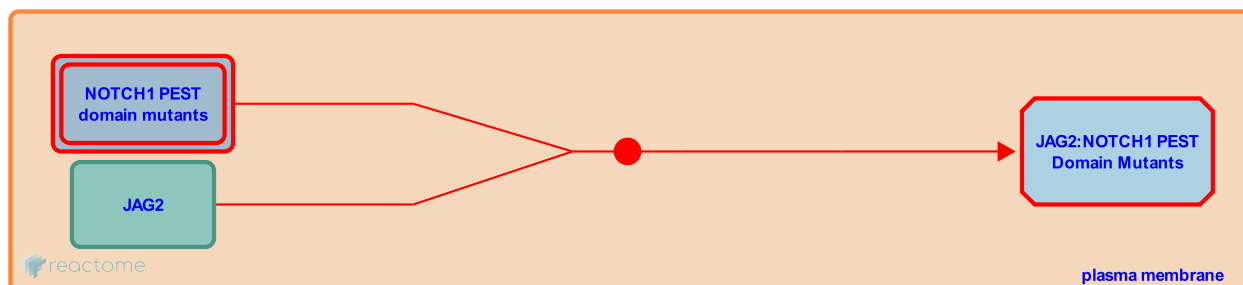
NOTCH1 PEST domain mutants bind JAG2 [↗](#)

Stable identifier: R-HSA-2768993

Type: binding

Compartments: plasma membrane

Diseases: cancer, T-cell leukemia



NOTCH1 PEST domain mutants are expected to bind to JAG2 ligand in an identical fashion to wild-type NOTCH1 (Luo et al. 1997, Shimizu et al. 2000).

Literature references

Shimizu, K., Hirai, H., Kumano, K., Saito, T., Chiba, S. (2000). Physical interaction of Delta1, Jagged1, and Jagged2 with Notch1 and Notch3 receptors. *Biochem Biophys Res Commun*, 276, 385-9. [↗](#)

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Editions

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