NICD2 traffics to the nucleus

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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

Fabregat, A., Sidiropoulos, K., Viteri, G., Forner, O., Marin-Garcia, P., Arnau, V. et al. (2017). Reactome pathway analysis: a high-performance in-memory approach. *BMC bioinformatics, 18*, 142. ↗

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: 77
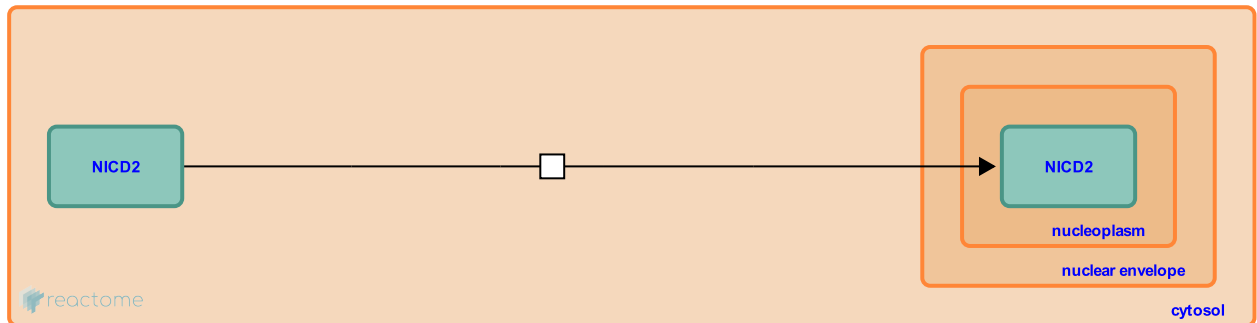
This document contains 1 reaction (see Table of Contents)

NICD2 traffics to the nucleus ↗

Stable identifier: R-HSA-157933

Type: transition

Compartments: cytosol, nucleoplasm

Inferred from: Drosophila NICD traffics to nucleus (Drosophila melanogaster)

The cytosolic NICD2 translocates to the nucleus.

Literature references

Struhl, G., Adachi, A. (1998). Nuclear access and action of notch in vivo. *Cell, 93*, 649-60. ↗

Lecourtois, M., Schweisguth, F. (1998). Indirect evidence for Delta-dependent intracellular processing of notch in Drosophila embryos. *Curr Biol, 8*, 771-4. ↗

Editions

2004-12-15	Authored	Jassal, B.
2013-01-11	Revised	Orlic-Milacic, M.
2013-01-14	Edited	Haw, R.
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