

Association of NP into rafts

Rush, MG., Squires, B., Steel, J.

European Bioinformatics Institute, New York University Langone Medical Center, Ontario Institute for Cancer Research, Oregon Health and Science University.

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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](#))

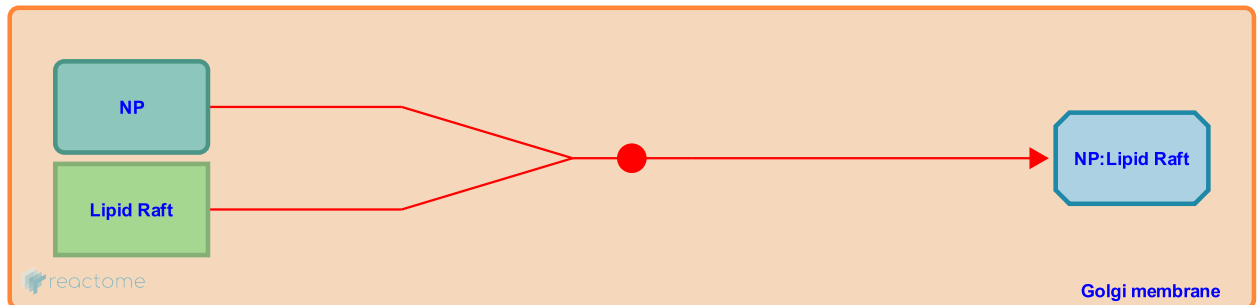
Association of NP into rafts [↗](#)

Stable identifier: R-HSA-168882

Type: binding

Compartments: Golgi membrane

Diseases: influenza



There is evidence that NP alone is intrinsically targeted to the apical plasma membrane and associates with lipid rafts in a cholesterol-dependent manner, which suggests that RNPs could reach the assembly site independently of the other viral components.

Literature references

Amorim, MJ., Digard, P., Carrasco, M. (2004). Lipid raft-dependent targeting of the influenza A virus nucleoprotein to the apical plasma membrane. *Traffic*, 5, 979-92. [↗](#)

Editions

2007-05-01	Reviewed	Rush, MG., Squires, B.
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