HCMV Binds to the Host Cell via heparan sulfate proteoglycans (HSPG)

Caposio, P., Gillespie, ME., Streblow, DN.
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


Reactome database release: 83

This document contains 1 reaction (see Table of Contents)

https://reactome.org
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**Stable identifier:** R-HSA-9609689

**Type:** binding

**Compartments:** extracellular region

**Diseases:** viral infectious disease

Viral attachment and penetration of Human Cytomegalovirus (HCMV) occurs either via direct HCMV fusion with the cell membrane or via endocytosis. The endocytic mechanism occurs with cell types including endothelial and epithelial cells, where the pentameric viral protein complex, gH:gL:p128:p130:p131A, facilitates entry.

**Literature references**


**Editions**

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<td>Gillespie, ME.</td>
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