p-Y705-STAT3,p-Y641-STAT6 dissociate

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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. ↗

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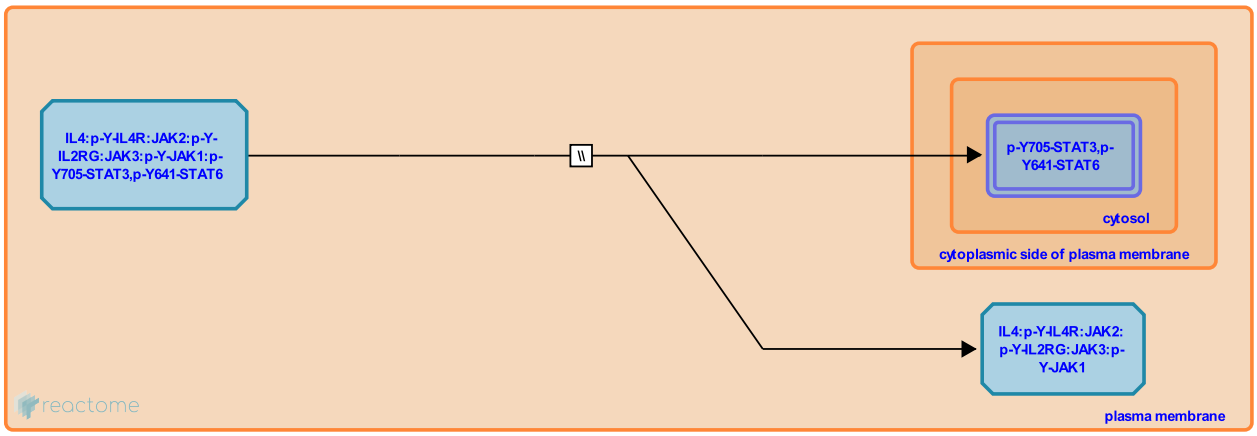
Stable identifier: R-HSA-6786072

Type: omitted

Compartments: cytosol, extracellular region, plasma membrane



Once phosphorylated, Signal transducer and activator of transcription 3 (STAT3) and STAT6 dissociate from the IL4 receptor/JAK1 complex.

Literature references

Yakubenko, VP., Mulya, A., Cathcart, MK., Kundu, S., Bhattacharjee, A., Shukla, M. (2013). IL-4 and IL-13 employ discrete signaling pathways for target gene expression in alternatively activated monocytes/macrophages. *Free Radic. Biol. Med., 54,* 1-16. ↗

Editions

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