WT1, NR5A1 (SF1), GATA4, ZFPM2 bind

the SRY gene

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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: 88
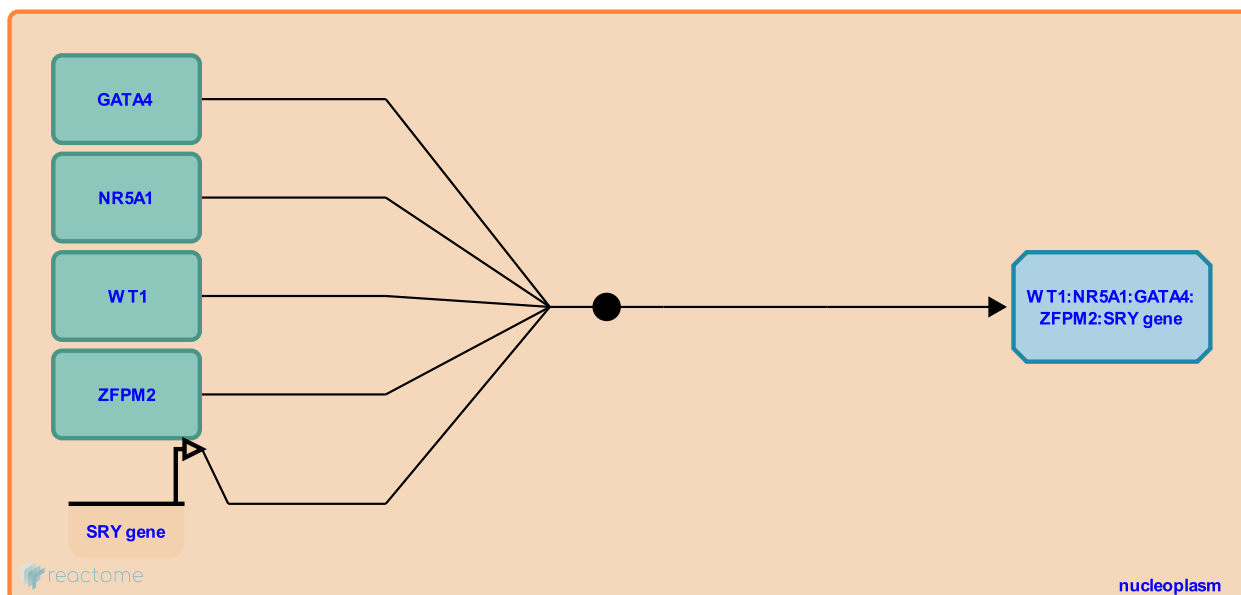
This document contains 1 reaction (see Table of Contents)

WT1, NR5A1 (SF1), GATA4, ZFPM2 bind the SRY gene ↗

Stable identifier: R-HSA-9692250

Type: binding

Compartments: nucleoplasm

Inferred from: Wt1, Nr5a1 (Sf1), Gata4, Zfpm2 (Fog2) bind the Sry gene (Mus musculus)

The transcription factors WT1 (Shimamura et al. 1997, Hossain and Saunders 2001, Miyamoto et al. 2008, also inferred from mouse homologs), NR5A1 (also called SF1) (De Santa Barbara et al. 2001), GATA4:ZFPM2 (also called GATA4:FOG2) (Miyamoto et al. 2008, also inferred from mouse homologs) bind the promoter of the SRY gene and activate transcription of SRY. SRY is a mammal-specific gene located on the Y chromosome that is responsible for male sex determination.

Literature references

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Editions

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