

TEADs:YAP1 binds CTGF 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

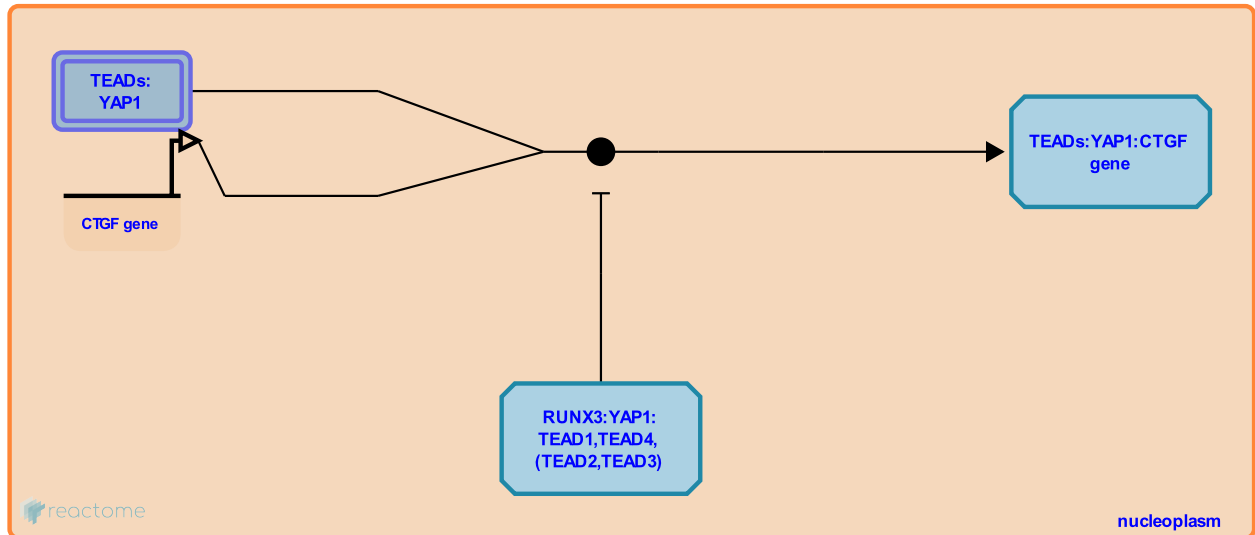
This document contains 1 reaction ([see Table of Contents](#))

TEADs:YAP1 binds CTGF gene [↗](#)

Stable identifier: R-HSA-8951695

Type: binding

Compartments: nucleoplasm



The complex of YAP1 and one TEAD proteins (TEAD1, TEAD2, TEAD3 or TEAD4) binds to TEAD-binding sites in the promoter of the CTGF gene (Zhao et al. 2008). Association of RUNX3 with the TEADs:YAP1 complex inhibits loading of the TEADs:YAP1 to the CTGF promoter (Qiao et al. 2016).

Literature references

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Tan, P., Lin, SJ., Voon, DC., Chuang, LS., Yeoh, KG., Wang, T. et al. (2016). RUNX3 is a novel negative regulator of oncogenic TEAD-YAP complex in gastric cancer. *Oncogene*, 35, 2664-74. [↗](#)

Editions

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