

TFAP2C homodimer binds MYC and

KDM5B

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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. A
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- 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. *オ*

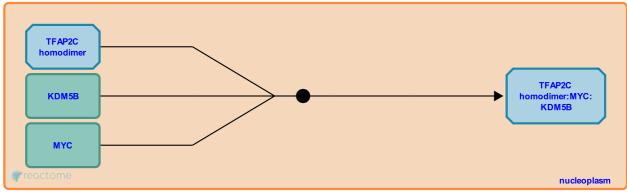
This document contains 1 reaction (see Table of Contents)

TFAP2C homodimer binds MYC and KDM5B 7

Stable identifier: R-HSA-8865265

Type: binding

Compartments: nucleoplasm



TFAP2C (AP-2 gamma) transcription factor homodimer can form a complex with MYC transcription factor and histone demethylase KDM5B (Wong et al. 2012).

Literature references

Berlato, C., Hurst, HC., Miranda, F., Wong, PP., Scibetta, AG., Chan, KV. (2012). Histone demethylase KDM5B collaborates with TFAP2C and Myc to repress the cell cycle inhibitor p21(cip) (CDKN1A). *Mol. Cell. Biol.*, *32*, 1633-44.

Editions

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