

p-BMAL1:p-CLOCK, NPAS2 binds F7 gene

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01/05/2024

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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

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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. [↗](#)

Reactome database release: 88

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

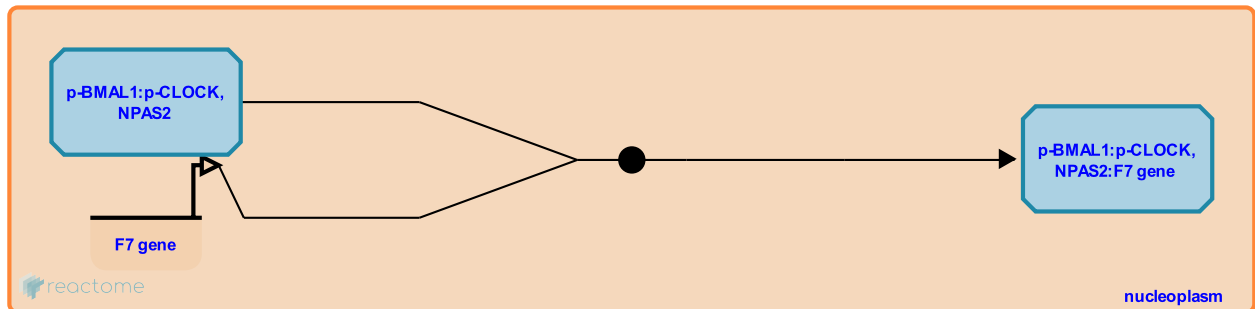
p-BMAL1:p-CLOCK, NPAS2 binds F7 gene [↗](#)

Stable identifier: R-HSA-5663127

Type: binding

Compartments: nucleoplasm

Inferred from: p-Bmal1:p-Clock,Npas2 binds F7 gene (Mus musculus)



Activation of FACTOR VII expression by phosphorylated BMAL1:CLOCK (ARNTL:CLOCK) is inferred from mouse. NPAS2 is predicted to act redundantly with CLOCK.

Editions

2009-05-27	Reviewed	D'Eustachio, P.
2010-06-23	Reviewed	Hirota, T., Kay, SA., Delaunay, F., Albrecht, U.
2015-01-15	Authored, Edited	May, B.