

Expression of Cebpb

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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

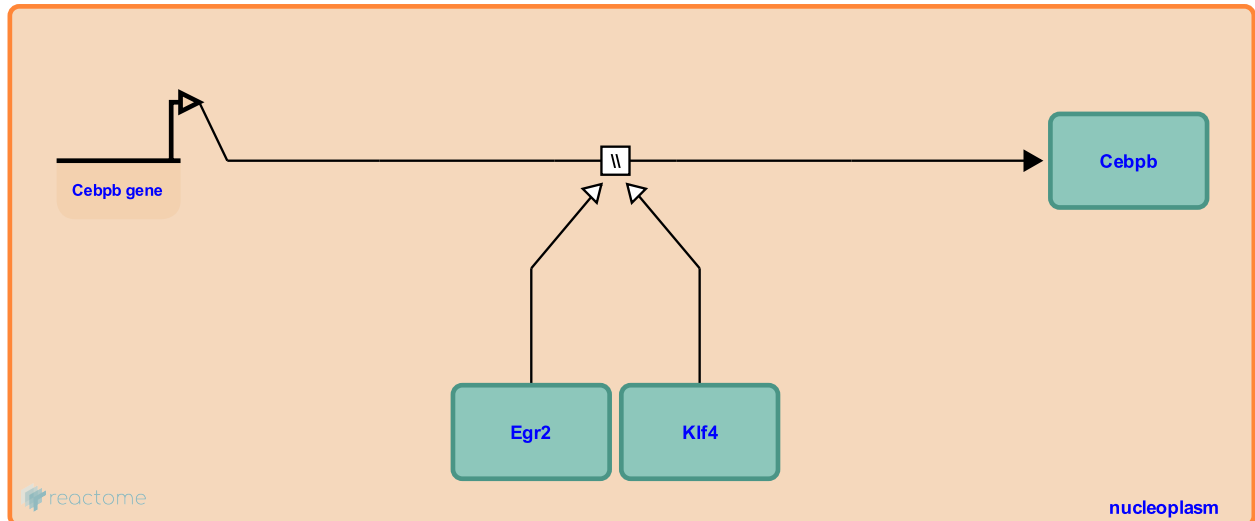
This document contains 1 reaction ([see Table of Contents](#))

Expression of Cebpb [↗](#)

Stable identifier: R-MMU-442516

Type: omitted

Compartments: nucleoplasm



In mouse 3T3-L1 pre-adipocytes, expression of the Cebpb and Cebpd transcription factors is activated by three factors:

- 1) Mitogens such as those present in fetal serum act via the Krox20 transcription factor to activate expression of Cebpb (Chen et al. 2005).
- 2) Glucocorticoids activate expression of Cebpd (Wu et al. 1996).
- 3) Hormones or drugs that increase intracellular cAMP act via pCREB and Klf4 to activate expression of Cebpb (Zhang et al. 2004, Birsoy et al. 2008).

The detailed mechanisms of activation are not yet known.

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Editions

2008-11-20	Edited	Gopinathrao, G., May, B.
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