

# CEBPA binds the promoter of the CEBPE gene

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https://reactome.org

### 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

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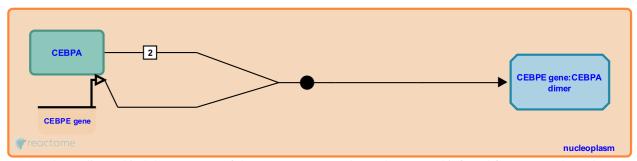
# **CEBPA** binds the promoter of the CEBPE gene **→**

**Stable identifier:** R-HSA-9616241

Type: binding

Compartments: nucleoplasm

**Inferred from:** Cebpa binds the promoter of the Cebpe gene (Mus musculus)



CEBPA homodimers bind the promoter of the CEBPE gene (Loke et al. 2018 and inferred from mouse homologs). It is unclear if CEBPA homodimerizes before or during binding to DNA.

# Literature references

Pickin, A., Imperato, MR., Bonifer, C., Ptasinska, A., Cockerill, PN., Loke, J. et al. (2018). C/ΕΒΡα overrides epigenetic reprogramming by oncogenic transcription factors in acute myeloid leukemia. *Blood Adv, 2*, 271-284.

# **Editions**

2018-08-10	Authored, Edited	May, B.
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