

# KMT2A (MLL) binds RUNX1

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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.

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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Reactome database release: 74

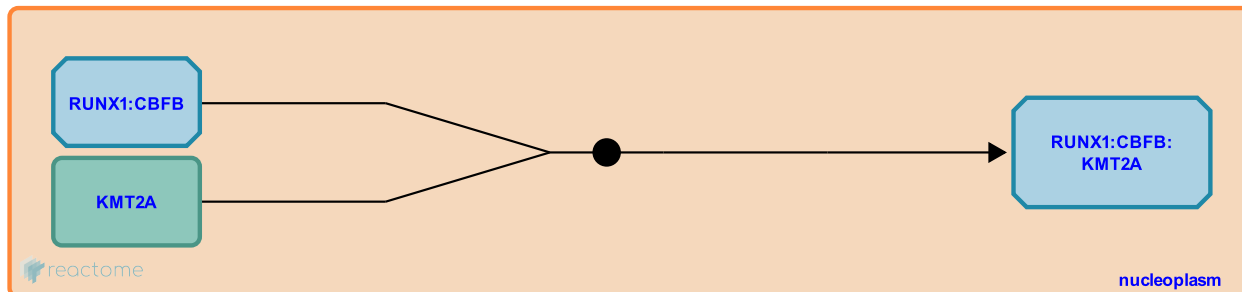
This document contains 1 reaction ([see Table of Contents](#))

## KMT2A (MLL) binds RUNX1 [↗](#)

**Stable identifier:** R-HSA-8865482

**Type:** binding

**Compartments:** nucleoplasm



Histone methyltransferase KMT2A (MLL) binds to RUNX1 (AML1) both in the presence and absence of CBFB (Huang et al. 2011).

### Literature references

Huang, G., Zhao, X., Wang, L., Elf, S., Xu, H., Zhao, X. et al. (2011). The ability of MLL to bind RUNX1 and methylate H3K4 at PU.1 regulatory regions is impaired by MDS/AML-associated RUNX1/AML1 mutations. *Blood*, 118, 6544-52. [↗](#)

### Editions

2016-09-14	Authored	Orlic-Milacic, M.
2016-12-20	Reviewed	Ito, Y., Chuang, LS.
2017-05-09	Edited	Orlic-Milacic, M.