

RNF181 binds BCL10 and Ubiquitin:E2

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16/05/2024

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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Reactome database release: 88

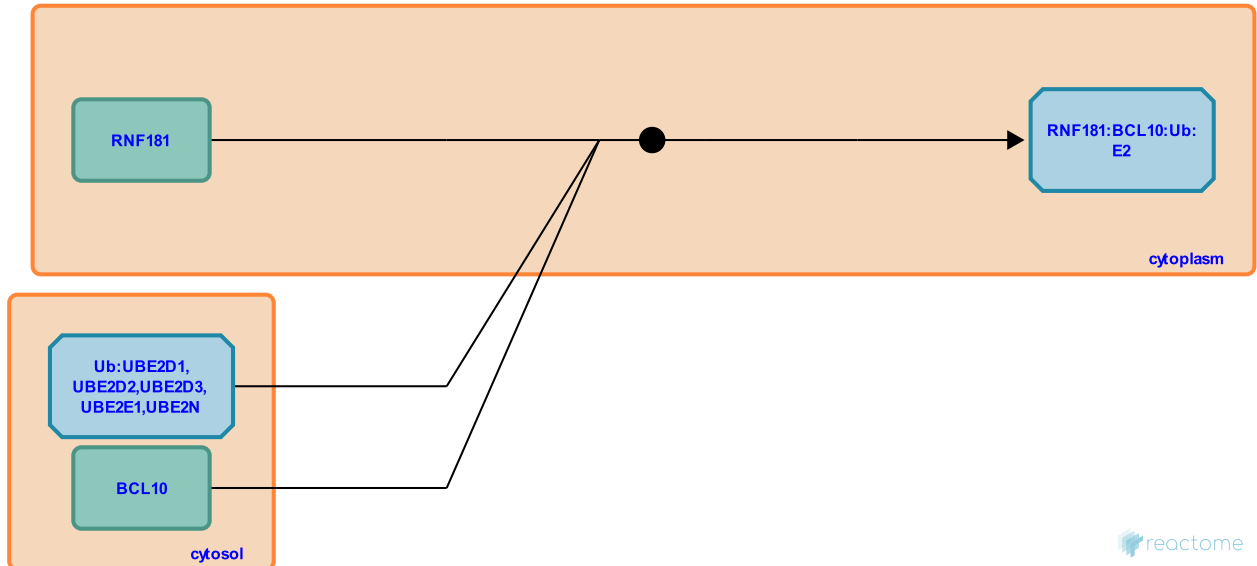
This document contains 1 reaction ([see Table of Contents](#))

RNF181 binds BCL10 and Ubiquitin:E2 [↗](#)

Stable identifier: R-HSA-8939323

Type: binding

Compartments: cytoplasm



The ubiquitin E3 ligase RNF181 interacts with activated (phosphorylated) CARD11, BCL10, and the E2-ubiquitin conjugate (UBE2D1, UBE2D2, UBE2D3, UBE2B, UBE2E1, or UBE2N) (Pedersen et al. 2015).

Literature references

Pomerantz, JL., Mackie, dS., Chan, W., Pedersen, SM., Jattani, RP. (2016). Negative Regulation of CARD11 Signaling and Lymphoma Cell Survival by the E3 Ubiquitin Ligase RNF181. *Mol. Cell. Biol.*, 36, 794-808. [↗](#)

Editions

2016-09-17	Authored, Edited	May, B.
2016-10-18	Reviewed	Pomerantz, JL.