

SCF-beta-TrCp1/2 ubiquitinates phosphorylated BORA

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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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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
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Reactome database release: 88

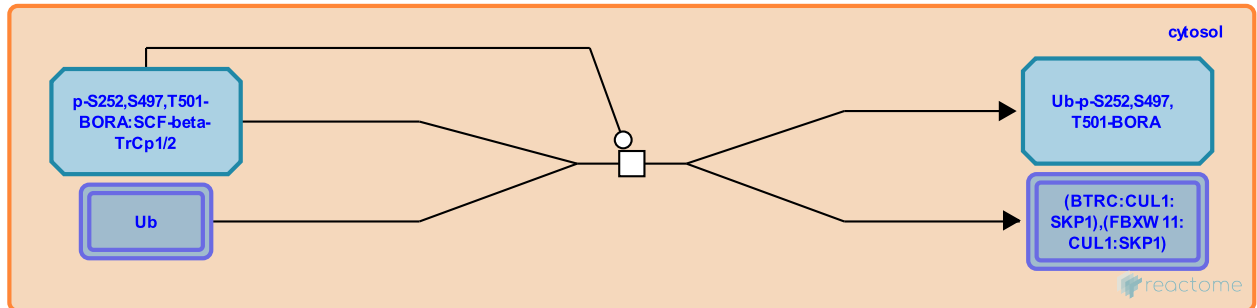
This document contains 1 reaction ([see Table of Contents](#))

SCF-beta-TrCp1/2 ubiquitinates phosphorylated BORA [↗](#)

Stable identifier: R-HSA-3000335

Type: transition

Compartments: cytosol



SCF-beta-TrCP ubiquitin ligases promote ubiquitination and degradation of BORA phosphorylated by PLK1, and this is required for timely mitotic progression (Seki et al. 2008).

Literature references

Seki, A., Coppinger, JA., Yates, JR., Jang, CY., Fang, G., Du, H. (2008). Plk1- and beta-TrCP-dependent degradation of Bora controls mitotic progression. *J. Cell Biol.*, 181, 65-78. [↗](#)

Editions

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