

SCF betaTrCP1,2 binds p-NFkB

p105:TPL2:ABIN2

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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

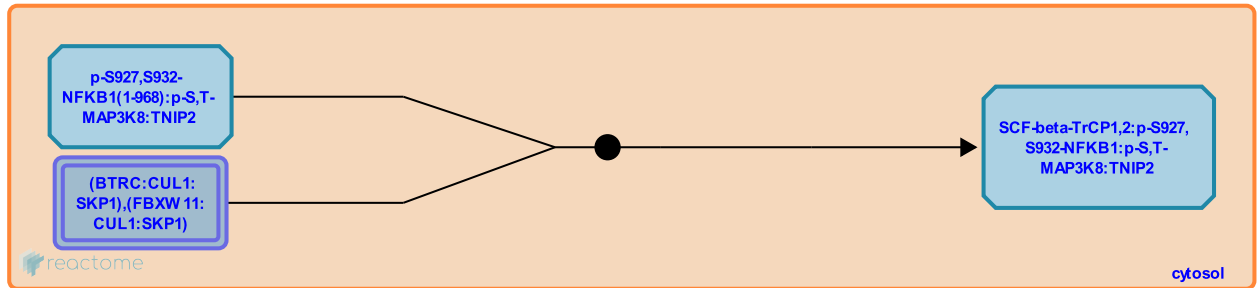
This document contains 1 reaction ([see Table of Contents](#))

SCF betaTrCP1,2 binds p-NFkB p105:TPL2:ABIN2 [↗](#)

Stable identifier: R-HSA-5684248

Type: binding

Compartments: cytosol



IKK-mediated NFkB p105 phosphorylation generates a binding site for betaTrCP, the receptor subunit of the SCF-type beta-TrCP ubiquitin E3 ligase complex.

Literature references

Ley, SC., Hay, RT., Janzen, J., Beinke, S., Salmeron, A., Lang, V. et al. (2003). betaTrCP-mediated proteolysis of NF-kappaB1 p105 requires phosphorylation of p105 serines 927 and 932. *Mol Cell Biol*, 23, 402-13. [↗](#)

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Editions

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