

**Phosphorylated BLNK (SLP65, in
Antigen:p-BCR:p-SYK:p-
BLNK:CIN85:GRB2:SOS1) binds BTK,
PLCG2, VAV1, NCK1**

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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

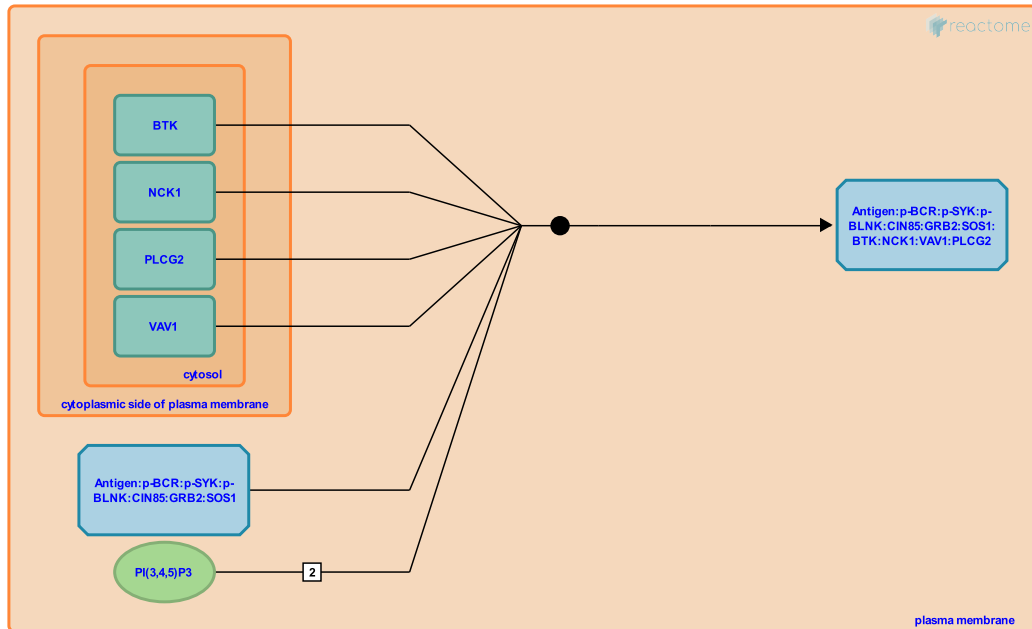
This document contains 1 reaction ([see Table of Contents](#))

Phosphorylated BLNK (SLP65, in Antigen:p-BCR:p-SYK:p-BLNK:CIN85:GRB2:SOS1) binds BTK, PLCG2, VAV1, NCK1 [↗](#)

Stable identifier: R-HSA-9606151

Type: binding

Compartments: plasma membrane



Phosphorylated BLNK (also called BASH or SLP-65) at the plasma membrane recruits BTK, PLC gamma, VAV, GRB2, and NCK (Fu and Chan 1997, Fu et al. 1998, Wienands et al. 1998, Su et al. 1999, Baba et al. 2001, Chiu et al. 2002). The SH2 domain of BTK binds phosphorylated BLNK (Hashimoto et al. 1999, Su et al. 1999, Baba et al. 2001). BLNK is constitutively bound to CIN85 and phosphorylated BLNK is bound to a large complex containing CIN85, SOS1, GRB2, phosphorylated SYK, and the B cell receptor.

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Editions

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