

p-4Y-SIRPA:CD47 binds PTK2B

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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

Fabregat, A., Sidiropoulos, K., Viteri, G., Forner, O., Marin-Garcia, P., Arnau, V. et al. (2017). Reactome pathway analysis: a high-performance in-memory approach. *BMC bioinformatics*, 18, 142. [↗](#)

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

Fabregat, A., Jupe, S., Matthews, L., Sidiropoulos, K., Gillespie, M., Garapati, P. et al. (2018). The Reactome Pathway Knowledgebase. *Nucleic Acids Res*, 46, D649-D655. [↗](#)

Fabregat, A., Korninger, F., Viteri, G., Sidiropoulos, K., Marin-Garcia, P., Ping, P. et al. (2018). Reactome graph database: Efficient access to complex pathway data. *PLoS computational biology*, 14, e1005968. [↗](#)

Reactome database release: 88

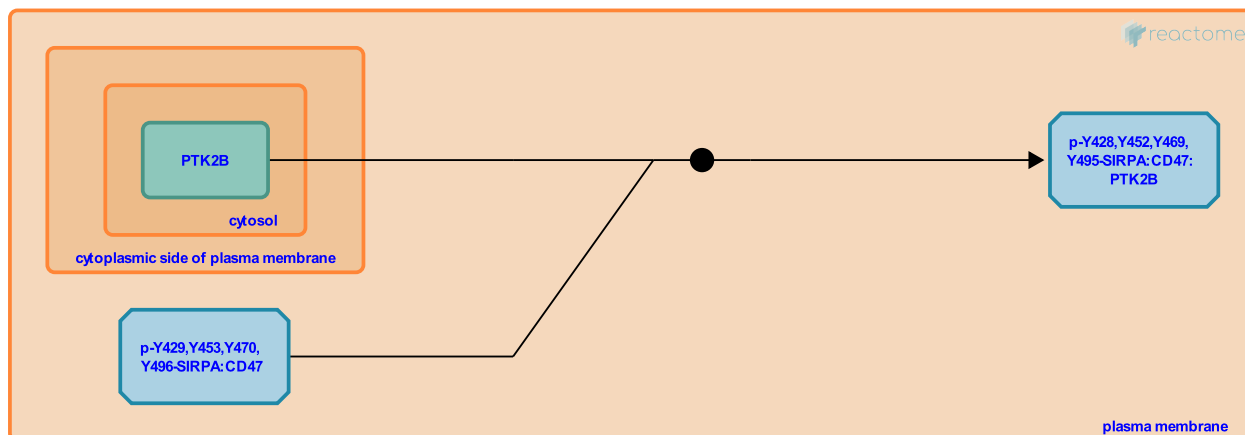
This document contains 1 reaction ([see Table of Contents](#))

p-4Y-SIRPA:CD47 binds PTK2B [↗](#)

Stable identifier: R-HSA-391152

Type: binding

Compartments: cytosol, plasma membrane



Protein-tyrosine kinase 2-beta (PTK2B, PYK2, FADK2), a cytosolic tyrosine kinase related to FAK, has been shown to complex with SIRP alpha.

Literature references

Timms, JF., Raab, M., Neel, BG., Marie-Cardine, A., Swanson, KD., Schraven, B. et al. (1999). SHPS-1 is a scaffold for assembling distinct adhesion-regulated multi-protein complexes in macrophages. *Curr Biol*, 9, 927-30. [↗](#)

Ruhul Amin, AR., Matsuda, S., Oshima, K., Hamaguchi, M., Suzuki, A. (2002). SHPS-1, a multifunctional transmembrane glycoprotein. *FEBS Lett*, 519, 1-7. [↗](#)

Editions

2009-02-12	Authored, Edited	Garapati, P V.
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