p-Y397-PTK2 binds SRC

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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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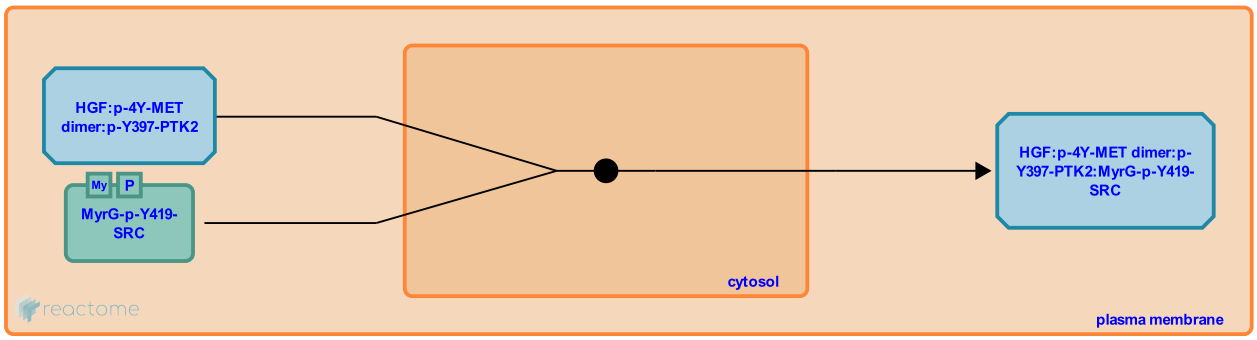
Stable identifier: R-HSA-8874083

Type: binding

Compartments: cytosol, plasma membrane



Phosphorylated tyrosine Y397 in the FERM domain of PTK2 (FAK1), along with an adjacent proline-rich motif, creates a docking site for the SRC kinase (Schaller et al. 1994, Xing et al. 1994, Thomas et al. 1998). It has not been specifically tested in this context whether PTK2 promotes SRC activation, and SRC is therefore represented in its active form.

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Editions

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