

CDC25C binds YWHAE (14-3-3-epsilon)

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https://reactome.org

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)

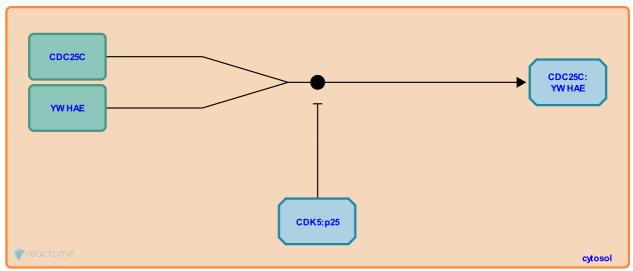
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Stable identifier: R-HSA-8863674

Type: binding

Compartments: cytosol



Binding of CDC25C to 14-3-3-epsilon (YWHAE), which promotes retention of CDC25C in the cytosol, is inhibited by CDK5-mediated phosphorylation of CDC25C (Chang et al. 2012).

Literature references

Chang, KH., Vincent, F., Shah, K. (2012). Deregulated Cdk5 triggers aberrant activation of cell cycle kinases and phosphatases inducing neuronal death. *J. Cell. Sci.*, 125, 5124-37.

Editions

2016-02-23	Authored	Shah, K.
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