

PTK6 phosphorylates KHDRBS1

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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: 74

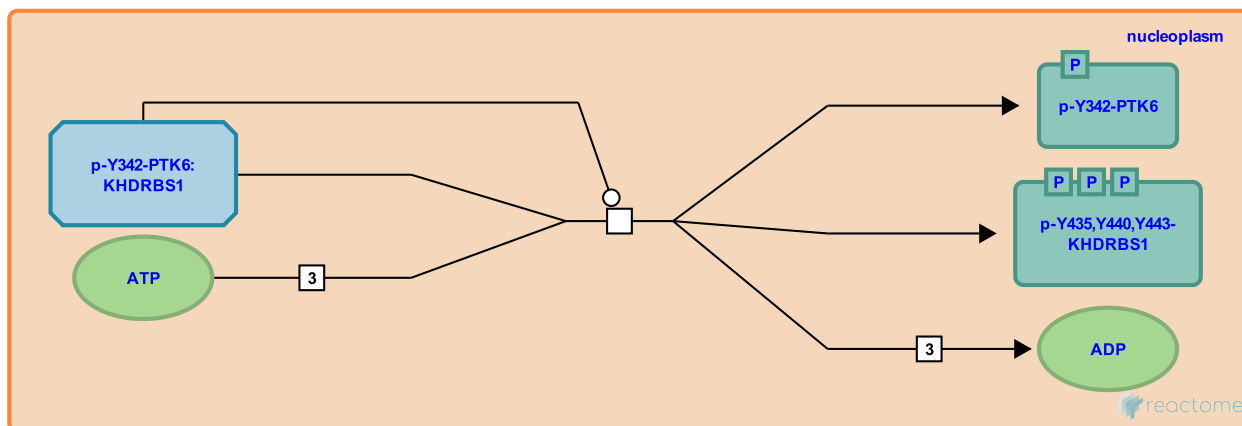
This document contains 1 reaction ([see Table of Contents](#))

PTK6 phosphorylates KHDRBS1 ↗

Stable identifier: R-HSA-8848975

Type: transition

Compartments: nucleoplasm



PTK6 phosphorylates KHDRBS1 (SAM68) on tyrosine residues Y435, Y440 and Y443, located within the nuclear localization signal (NLS) of KHDRBS1 (Lukong et al. 2005). PTK6-mediated phosphorylation inhibits the interaction of KHDRBS1 with RNA (Derry et al. 2000, Coyle et al. 2003).

Literature references

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Editions

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