Second phosphorylation of IRAK1 by IRAK4 bound to MyD88: activated TLR 7/8 or 9

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30/06/2022

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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

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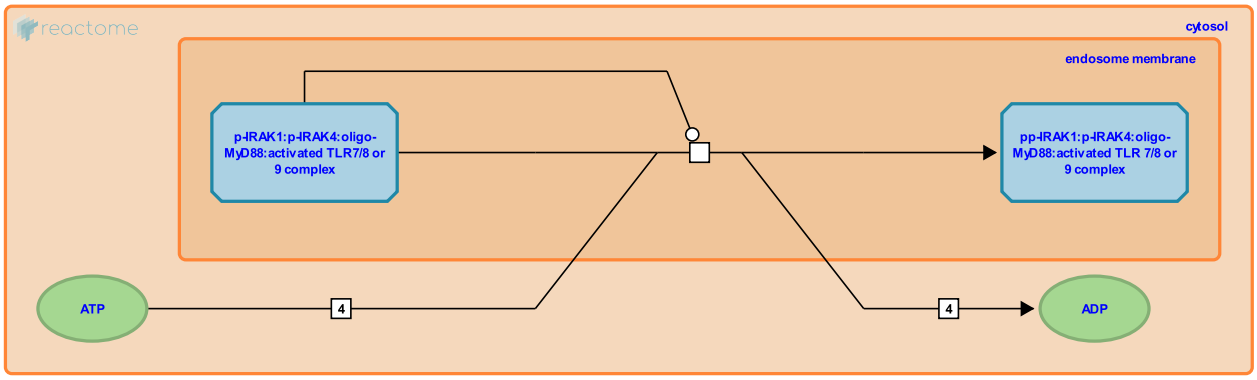
Stable identifier: R-HSA-975134

Type: transition

Compartments: endosome membrane, cytosol



Second, Thr387 in the activation loop is phosphorylated, leading to full enzymatic activity.

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Editions

2010-08-25	Authored	Shamovsky, V.
2010-10-29	Reviewed	Gillespie, ME.
2010-11-15	Edited	Shamovsky, V.