

# ALK dimerization

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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: 88

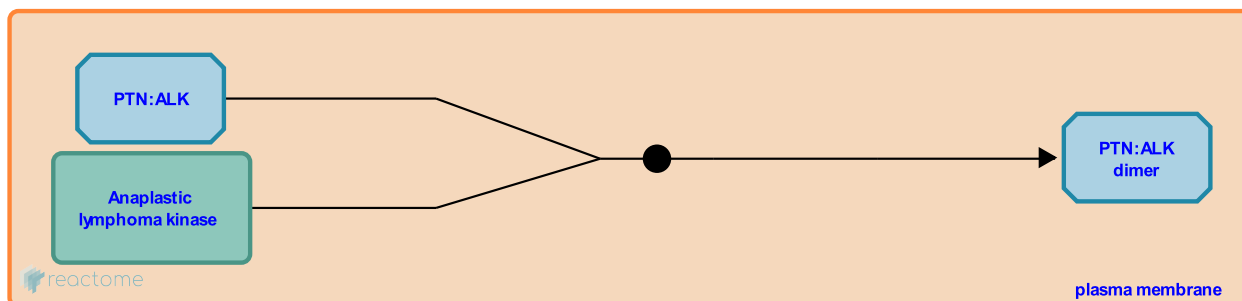
This document contains 1 reaction ([see Table of Contents](#))

## ALK dimerization [↗](#)

**Stable identifier:** R-RNO-201531

**Type:** binding

**Compartments:** plasma membrane



Studies with inducible dimerization constructs of rat ALK show that dimerization is required to activate downstream signaling cascades including PI3K/AKT, PLC gamma, MAP kinase and STAT pathways, among others (Gouzi et al, 2005; Stoica et al, 2001; Stoica et al, 2002).

### Literature references

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### Editions

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