

Dissociation of oncogenic RAS:RAF complex

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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

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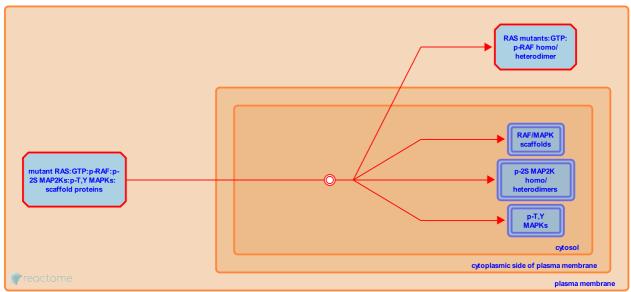
Dissociation of oncogenic RAS:RAF complex 7

Stable identifier: R-HSA-6803233

Type: dissociation

Compartments: cytosol

Diseases: cancer, Noonan syndrome



After phosphorylation by MAP2Ks, the scaffolded kinase complex assembled by oncogenic RAS presumably dissociates, as is the case for WT complexes (reviewed in Lavoie and Therrien et al, 2015; Stephen et al, 2014).

Literature references

Lavoie, H., Therrien, M. (2015). Regulation of RAF protein kinases in ERK signalling. *Nat. Rev. Mol. Cell Biol.*, 16, 281-98.

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Editions

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