Interaction of MEKK1 with TRAF6

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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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Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics, 33*, 3461-3467. ↗

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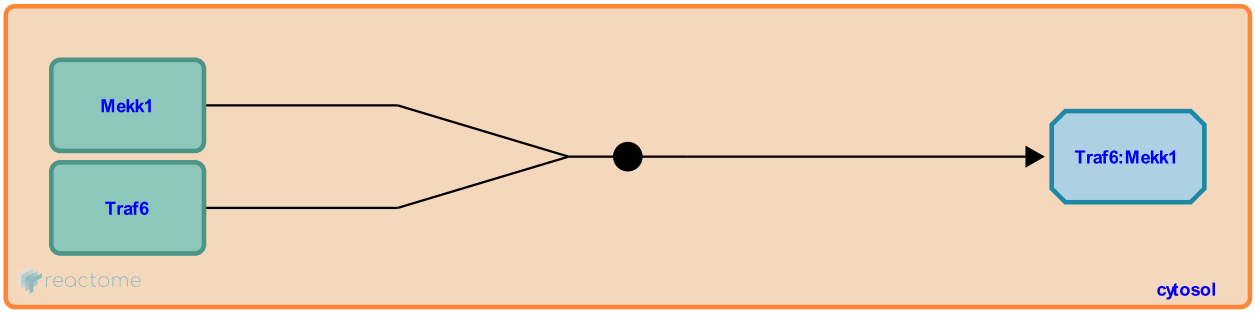
Stable identifier: R-MMU-933534

Type: binding

Compartments: cytosol



TRAF6 requires MEKK1 (MAP3K1) to activate NF-kB and MEKK1 may interact with TRAF6, which in turn contributes to the activation of IKK and MAPKK, leading to the activation of NF-kB and AP-1. (Yoshida et al)

Literature references

Kobayashi, T., Kawai, T., Yoshioka, T., Yoshida, H., Takaesu, G., Yoshida, R. et al. (2008). TRAF6 and MEKK1 play a pivotal role in the RIG-I-like helicase antiviral pathway. *J Biol Chem, 283*, 36211-20. ↗

Editions

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