p-T69,T71-ATF2 binds PTEN gene promoter

Carracedo, A., Orlic-Milacic, M., Salmena, L.
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


Reactome database release: 82

This document contains 1 reaction (see Table of Contents)
The transcription factor ATF2, activated downstream of stress signaling by p38 MAPKs, binds to ATF response elements in the PTEN gene promoter to activate PTEN transcription. It has not been examined whether ATF2 heterodimerization partners are involved in ATF2-mediated up-regulation of PTEN (Shen et al. 2006).

**Literature references**


**Editions**

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