SUMOylation of NOP58 with SUMO2

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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

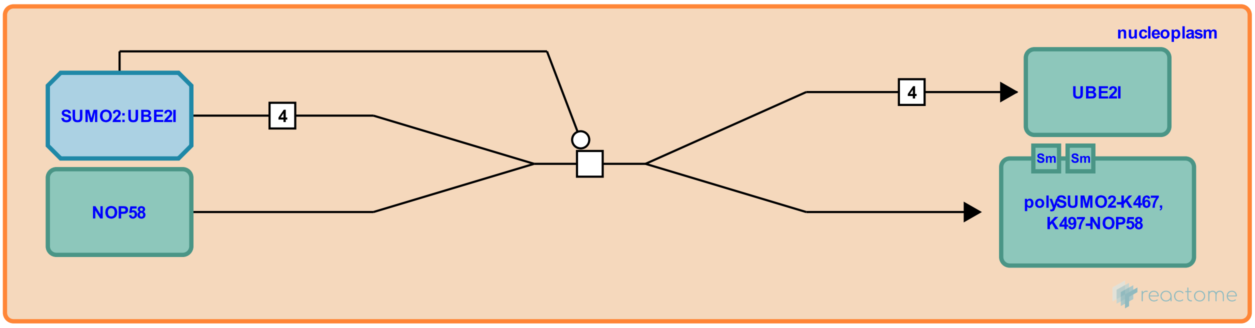
This document contains 1 reaction (see Table of Contents)

SUMOylation of NOP58 with SUMO2 ↗

Stable identifier: R-HSA-4570489

Type: transition

Compartments: nucleoplasm



NOP58 (NOP5) is SUMOylated at lysine-467 and lysine-497 with SUMO2 (Matic et al. 2010, Westman et al. 2010, Westman and Lamond 2011, Hendriks et al. 2014, Impens et al. 2014, Tammsalu et al. 2014). (Two molecules of SUMO2 are shown for each modification in order to represent the oligomeric chains of SUMO2 that are attached to a target protein.) SUMOylation of NOP58 is required for high affinity binding of snoRNAs by NOP58

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Editions

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