

HuR binds mRNAs in the nucleus

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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: 74

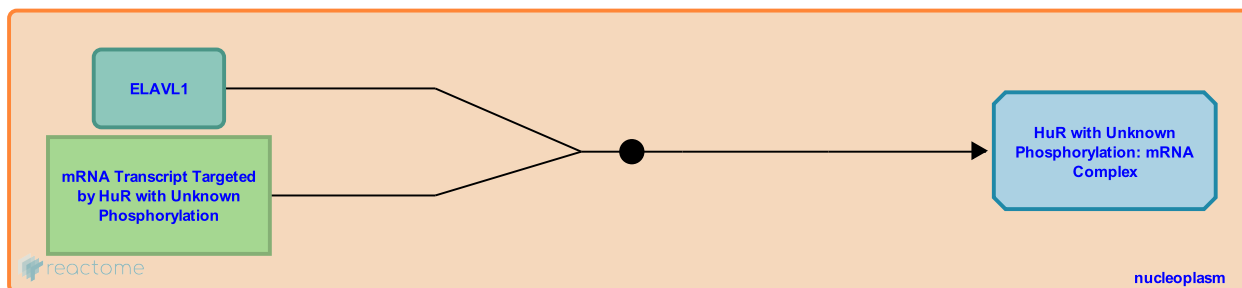
This document contains 1 reaction ([see Table of Contents](#))

HuR binds mRNAs in the nucleus [↗](#)

Stable identifier: R-HSA-450494

Type: binding

Compartments: nucleoplasm



HuR binds AU-rich elements of mRNAs. Bound HuR can form oligomers on longer AU-rich elements. Phosphorylated HuR binds mRNA more tightly than unphosphorylated HuR does.

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Editions

2009-12-29	Authored, Edited	May, B.
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