

Prostate-specific Antigen proteolyzes

IGF:IGFBP3:ALS

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07/05/2024

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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

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Reactome database release: 88

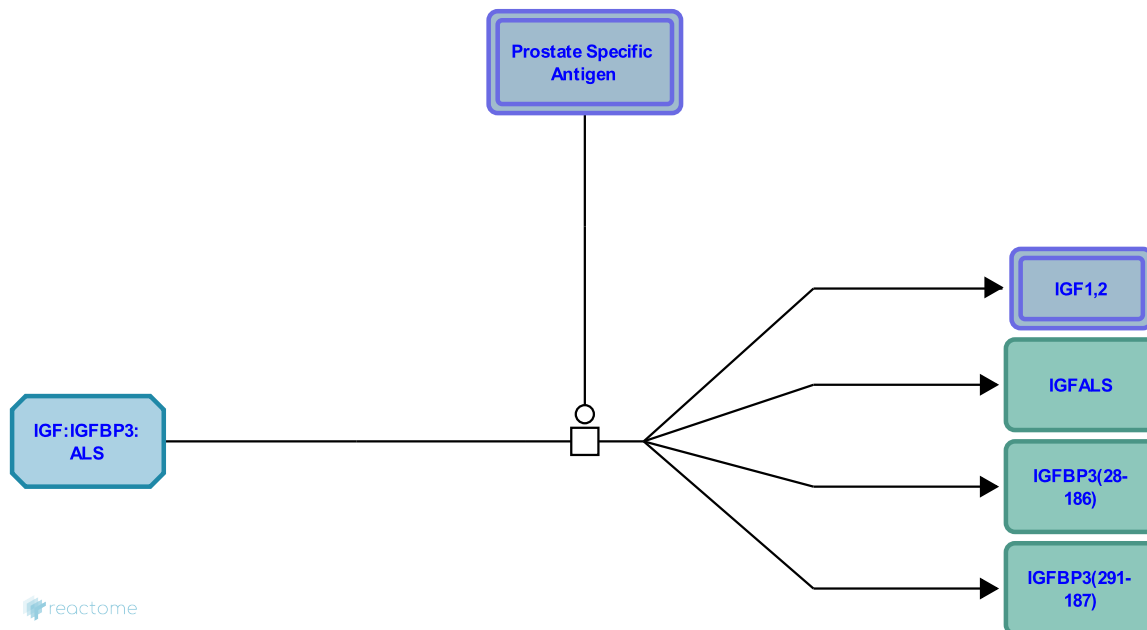
This document contains 1 reaction ([see Table of Contents](#))

Prostate-specific Antigen proteolyzes IGF:IGFBP3:ALS [↗](#)

Stable identifier: R-HSA-381466

Type: transition

Compartments: extracellular region



Prostate specific Antigen (PSA, KLK3) cleaves IGFBP-3 in the IGF:IGFBP-3:ALS Complex between amino acids 186 and 187. Other cleavage sites were observed but not reproducibly. These may have been caused by impurities in the PSA preparation.

Literature references

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Editions

2008-11-20	Edited	Gopinathrao, G., May, B.
2008-12-02	Reviewed	Gillespie, ME., D'Eustachio, P., Matthews, L.