

Mast Cell Carboxypeptidase hydrolyzes Angiotensin-(1-10) to Yield Angiotensin-(1- 9)

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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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Reactome database release: 88

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

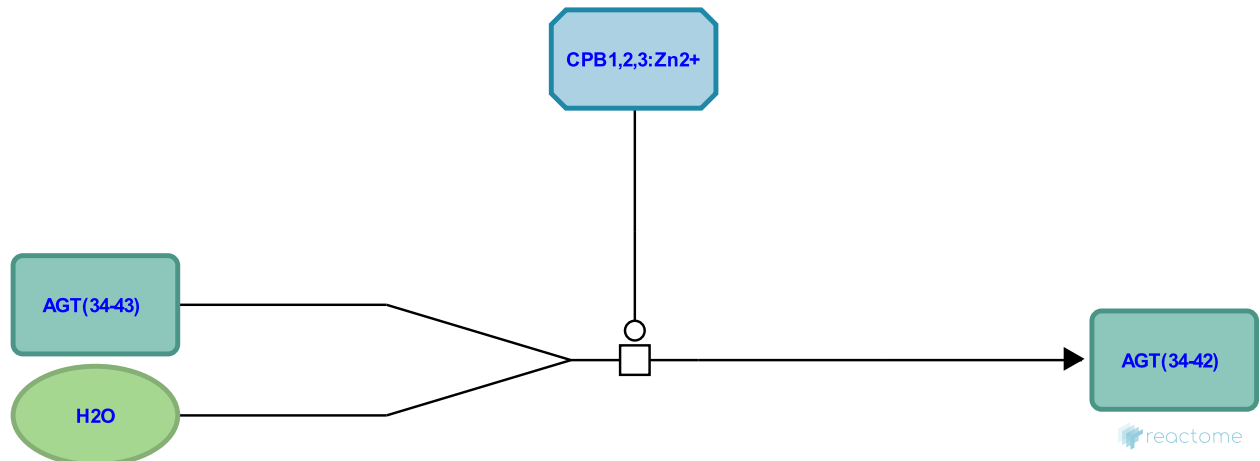
Mast Cell Carboxypeptidase hydrolyzes Angiotensin-(1-10) to Yield Angiotensin-(1-9)



Stable identifier: R-HSA-2028294

Type: transition

Compartments: extracellular region



Mast cell carboxypeptidase (CPA3) hydrolyzes a single amino acid residue from the C-terminus of angiotensin-(1-10) (angiotensin I) to yield angiotensin-(1-9).

Literature references

Goldstein, SM., Kaempfer, CE., Kealey, JT., Wintroub, BU. (1989). Human mast cell carboxypeptidase. Purification and characterization. *J Clin Invest*, 83, 1630-6. [↗](#)

Irani, AM., Schwartz, LB., Proud, D., Goldstein, SM., Kaempfer, CE., Wintroub, BU. (1987). Detection and partial characterization of a human mast cell carboxypeptidase. *J Immunol*, 139, 2724-9. [↗](#)

Editions

2011-12-23	Authored, Edited	May, B.
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