

Angiotensin II also acts on the adrenal cortex, where it promotes the synthesis and release of aldosterone.

Increases Aldosterone Secretion

[Up-arrow Aldo-stereo](#)

Angiotensin II promotes the synthesis and release of aldosterone from the adrenal cortex, which increases reabsorption of sodium and water and secretion of potassium by acting on principal cells of collecting duct. Aldosterone also promotes excretion of hydrogen ions by acting on alpha intercalated cells in late distal convoluted tubule and collecting duct.

Effects on CNS

Stimulates Posterior Pituitary Gland to Secrete Vasopressin (ADH)

[Post Pit-bull releases Vases-presents](#)

Angiotensin promotes the release of antidiuretic hormone (ADH) from the posterior pituitary. ADH promotes water reabsorption by increasing aquaporin expression in principal cells of collecting duct.

Stimulates Thirst in Hypothalamus

[Hippo-Thor Thirsty in Water-mirage](#)

Angiotensin II also has effects on the hypothalamus. It amplifies the sensation of thirst resulting in increased water intake.