

Angiotensin II Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251229

Unit: 0.1 mg

Description:

Angiotensin II is an essential component of the renin-angiotensin system (RAS), a potent regulator of blood pressure, body fluid and electrolyte homeostasis. In response to lowered blood pressure, the enzyme renin cleaves angiotensinogen to produce angiotensin I (angiotensin 1-10). Angiotensin I is a substrate of ACE (angiotensin converting enzyme) that removes a dipeptide to yield the physiologically active peptide angiotensin II (angiotensin 1-8). Angiotensin II acts directly on vascular smooth muscle as a potent vasoconstrictor, affects cardiac contractility and heart rate through its action on the sympathetic nervous system, and alters renal sodium and water absorption through its ability to stimulate the zona glomerulosa cells of the adrenal cortex to synthesize and secrete aldosterone. Genetic variations in angiotensin II are a cause of susceptibility to essential hypertension (EHT). Essential hypertension is a condition in which blood pressure is consistently higher than normal with no identifiable cause.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

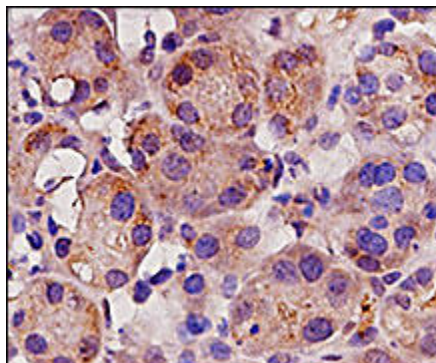
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 0.1 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A and immunogen affinity chromatography.

Alternate Names: Ang-II; Ang II; Angiotensin II; Angiotensin-2; AGT; Angiotensinogen; Serpin A8

Accession No.: P01019

Antigen: KLH-conjugated MAP synthetic peptide corresponding to human angiotensinogen II.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



Angiotensin II staining in rat pancreas. Formalin-fixed paraffin-embedded rat pancreas is stained with Angiotensin II Antibody (Cat. No. 251229) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Matsuura-Hachiya Y et al. 2013. 442(1-2):34-43. PMID# 24216112

For research use only, not for diagnostic or therapeutic procedures.