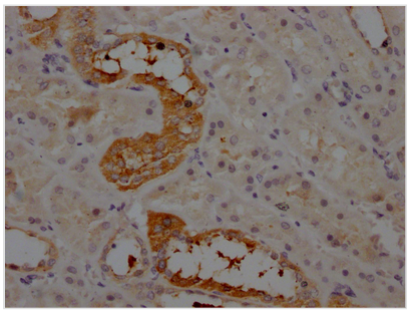
AGT Antibody

Product Code	CSB-RA263831A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P01019
Immunogen	A synthesized peptide derived from human Angiotensinogen
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Relevance	Essential component of the renin-angiotensin system (RAS), a potent regulator of blood pressure, body fluid and electrolyte homeostasis.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cardiovascular; Metabolism; Signal transduction
Gene Names	AGT
Accession NO.	8A9

Image



IHC image of CSB-RA263831A0HU diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

AGT is an α2-globulin precursor of all angiotensin peptides. As a non-inhibitory serpin, AGT plays an important role in blood pressure regulation by transporting angiotensin peptides. AGT works as a substrate in the renin–angiotensinogen system (RAS) and is cleaved by the highly-specific aspartyl-protease renin at its N-terminal extension. The N-terminus is cleaved to produce angiotensin-I, a decapeptide that is then processed to produce the sub-peptides that govern

blood pressure by influencing salt retention and vasoconstriction.

Compared with the polyclonal and monoclonal antibodies of AGT, this AGT recombinant antibody has the features of increased reproducibility and control, animal-free technology, high degree of monovalency, high batch-to-batch consistency, easier isotype conversion, etc. And it has been validated in ELISA, IHC.