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Product datasheet for TA321038S

Angiotensinogen (AGT) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human liver cancer tissue
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide peptide corresponding to a region derived from 34-41 amino acids of human angiotensinogen (serpin peptidase inhibitor, clade A, member 8)
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53 kDa
Gene Name:	angiotensinogen
Database Link:	NP_000020 Entrez Gene 183 Human P01019

View online »

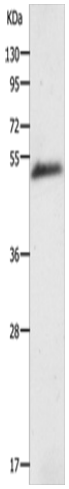
Background: The protein encoded by this gene; pre-angiotensinogen or angiotensinogen precursor; is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product; angiotensin I; is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. Mutations in this gene are associated with susceptibility to essential hypertension; and can cause renal tubular dysgenesis; a severe disorder of renal tubular development. Defects in this gene have also been associated with non-familial structural atrial fibrillation; and inflammatory bowel disease.

Synonyms: ANHU; SERPINA8

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Renin-angiotensin system

Product images:



Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: Human liver cancer tissue
Primary antibody: [TA321038] (AGT Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 5 minutes