

Product datasheet for **TA308844**

Angiotensinogen (AGT) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 476 of Angiotensinogen (Uniprot ID#P01019)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
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



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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. [provided by RefSeq]

Synonyms:

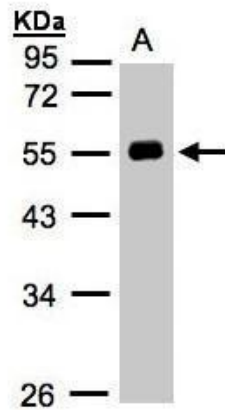
ANHU; SERPINA8

Protein Families:

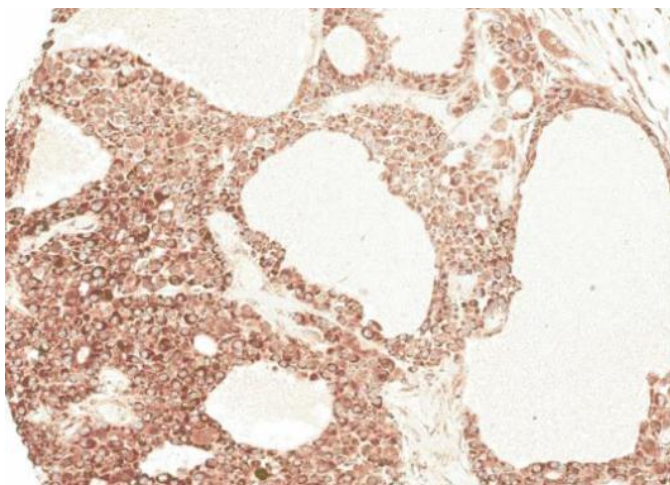
Druggable Genome, Secreted Protein

Protein Pathways:

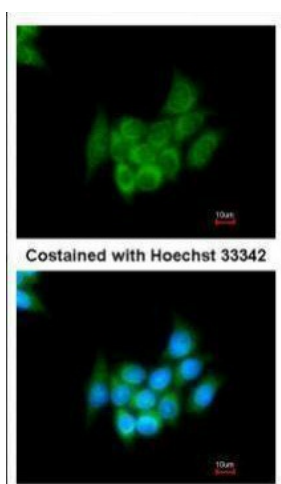
Renin-angiotensin system

Product images:

Sample (30 ug whole cell lysate). A:Hep G2. 10% SDS PAGE. TA308844 diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded Hepatocellular carcinoma Huh7 xenograft, using AGT (TA308844) antibody at 1:100 dilution.



Immunofluorescence analysis of methanol-fixed HepG2, using Angiotensinogen (TA308844) antibody at 1:200 dilution.