

Angiotensinogen Polyclonal Antibody

Catalog number: 11992-1-AP

Size: 20 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

AGT; AGT, Ang I Angiotensin 2,

Ang II Angiotensin 3, Ang III,

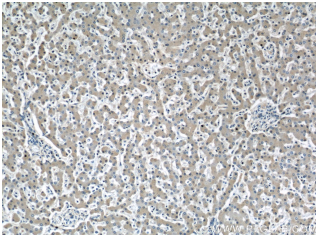
Angiotensin I, Angiotensin II,

Angiotensin III,

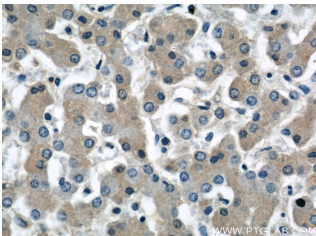
Angiotensinogen, ANHU, Des

Asp[1] angiotensin II, FLJ92595,

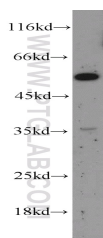
FLJ97926, Serpin A8, SERPINA8



Immunohistochemistry of paraffin-embedded human liver slide using 11992-1-AP (AGT Antibody) at dilution of 1:50



Immunohistochemistry of paraffin-embedded human liver slide using 11992-1-AP (AGT Antibody) at dilution of 1:50



HepG2 cells were subjected to SDS PAGE followed by western blot with 11992-1-AP (AGT antibody) at dilution of 1:600

Background

Angiotensinogen is a precursor of angiotensin II (Ang II), is expressed and synthesized largely in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. It has a key role in mediating vascular constriction and regulating salt and fluid homeostasis. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. 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.

Applications

Tested applications:	ELISA, WB, IHC, FC
Cited applications:	IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Mouse
Calculated Angiotensinogen MW:	485aa, 53 kDa
Observed Angiotensinogen MW:	52-64 kDa
Positive WB detected in	HepG2 cells, human plasma tissue
Positive IHC detected in	Human liver tissue, human liver cancer tissue
Positive FC detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000
	IHC: 1:20-1:200
	FC: N/A

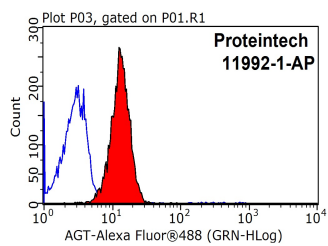
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2632
GenBank accession number:	BC011519
Gene ID (NCBI):	183
Full name:	Angiotensinogen (serpin peptidase inhibitor, clade A, member 8)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



1X10⁶ HeLa cells were stained with 0.2ug AGT antibody (11992-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.