Angiotensinogen Polyclonal antibody

Catalog Number: 11992-1-AP

For Research Use Only

Basic Information

Catalog Number: 11992-1-AP
Size: 150μl, Concentration: 430μg/ml by Nanodrop
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG2632

GenBank Accession Number: BC011519
GeneID (NCBI): 183
Full Name: angiotensinogen (serpin peptidase inhibitor, clade A, member 8)

Purification Method: Antigen affinity purification
Recommended Dilutions: WB 1:1000-1:4000, IHC 1:50-1:500

Applications

Tested Applications: FC, IHC, WB, ELISA
Cited Applications: IF, IHC, WB
Species Specificity: human
Cited Species: human, rat, mouse

Positive Controls:

WB: HuH-7 cells, HepG2 cells, human plasma
IHC: human liver tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

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 also have been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.

Notable Publications

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<th>Author</th>
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<tr>
<td>Norilatsu Shigemura</td>
<td>31546789</td>
<td>Nutrients</td>
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<td>Wei Chen</td>
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<td>Dong Yi-Fei YF</td>
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Storage

Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20μl sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) [toll free in USA], or 1 (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 11992-1-AP (Angiotensinogen antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 11992-1-AP (Angiotensinogen antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 11992-1-AP (Angiotensinogen antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

1X10^6 HeLa cells were stained with 0.2ug Angiotensinogen 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.