Angiotensinogen Polyclonal ANTIBODY
Catalog Number: 11992-1-AP

**Basic Information**

- **Catalog Number:** 11992-1-AP
- **Size:** 20 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG2632
- **GeneBank Accession Number:** BC011519
- **GeneID (NCBI):** 183
- **Full Name:** angiotensinogen (serpin peptidase inhibitor, clade A, member 8)
- **Calculated MW:** 485aa, 53 kDa
- **Observed MW:** 52-64 kDa

**Recommended Dilutions:**
- **WB:** 1:500-1:1000
- **IHC:** 1:20-1:200

**Applications**

- **Tested Applications:** FC, IHC, WB, ELISA
- **Citied Applications:** IHC, WB

**Species Specificity:**
- Human, mouse

**Positive Controls:**
- WB: HepG2 cells; human plasma tissue
- IHC: human liver tissue; human liver cancer tissue

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

**Notable Publications**

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dong Yi-Fei YF</td>
<td>21889681</td>
<td>Hypertension</td>
<td>IHC</td>
</tr>
<tr>
<td>Hengjiang Guo</td>
<td>28761152</td>
<td>Sci Rep</td>
<td>WB</td>
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<td>Yoshiki Ogita</td>
<td>27401876</td>
<td>Mol Pharmacol</td>
<td>WB</td>
</tr>
</tbody>
</table>

**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**
HepG2 cells were subjected to SDS-PAGE followed by western blot with 11992-1-AP (Angiotensinogen antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.

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

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.