Product name: Anti-Angiotensin II Type 1 Receptor antibody ab124505

Description: Rabbit polyclonal to Angiotensin II Type 1 Receptor

Host species: Rabbit

Specificity: ab124505 is specific for Angiotensin II Type 1 Receptor (AGTR1) and will not cross-react with AGTR2.

Tested applications: Suitable for: ICC/IF, WB, IHC-P

Species reactivity: Reacts with: Mouse, Rat, Human

Immunogen: Synthetic peptide corresponding to Human Angiotensin II Type 1 Receptor (internal sequence). Database link: P30556
(Peptide available as ab176148)

Positive control: Mouse kidney tissue lysate; Mouse kidney tissue, mouse kidney cells.

Form: Liquid


Storage buffer: Preservative: 0.02% Sodium azide
Constituent: 99% PBS

Purity: Immunogen affinity purified

Clonality: Polyclonal

Isotype: IgG

Our Abpromise guarantee covers the use of ab124505 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
### Function
Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

### Tissue specificity
Liver, lung, adrenal and adrenocortical adenomas.

### Involvement in disease
Defects in AGTR1 are a cause of renal tubular dysgenesis (RTD) [MIM:267430]. RTD is an autosomal recessive severe disorder of renal tubular development characterized by persistent fetal anuria and perinatal death, probably due to pulmonary hypoplasia from early-onset oligohydramnios (the Potter phenotype).

### Sequence similarities
Belongs to the G-protein coupled receptor 1 family.

### Post-translational modifications
C-terminal Ser or Thr residues may be phosphorylated.

### Cellular localization
Cell membrane.

### Images

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<tr>
<td>ICC/IF</td>
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<td>Use a concentration of 20 µg/ml.</td>
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<tr>
<td>WB</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 41 kDa. Can be blocked with Angiotensin II Type 1 Receptor peptide (ab176148).</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 2.5 µg/ml.</td>
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**Target**

**Function**
Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

**Tissue specificity**
Liver, lung, adrenal and adrenocortical adenomas.

**Involvement in disease**
Defects in AGTR1 are a cause of renal tubular dysgenesis (RTD) [MIM:267430]. RTD is an autosomal recessive severe disorder of renal tubular development characterized by persistent fetal anuria and perinatal death, probably due to pulmonary hypoplasia from early-onset oligohydramnios (the Potter phenotype).

**Sequence similarities**
Belongs to the G-protein coupled receptor 1 family.

**Post-translational modifications**
C-terminal Ser or Thr residues may be phosphorylated.

**Cellular localization**
Cell membrane.

**Western blot** - Anti-Angiotensin II Type 1 Receptor antibody (ab124505)

**Lane 1**: Anti-Angiotensin II Type 1 Receptor antibody (ab124505) at 1 µg/ml

**Lane 2**: Anti-Angiotensin II Type 1 Receptor antibody (ab124505) at 2 µg/ml

**All lanes**: Mouse kidney tissue lysate
Lysates/proteins at 15 µg per lane.
**Predicted band size**: 41 kDa
Immunofluorescence of AGTR1 in mouse kidney cells using ab124505 at 20 µg/ml.

Immunohistochemical analysis of mouse kidney tissue section labelling Angiotensin II Type 1 Receptor with ab124505, at 2.5 µg/ml.

ab124505, at 2.5 µg/ml, staining Angiotensin II Type 1 Receptor in paraffin-embedded Mouse kidney tissue by Immunohistochemistry.

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