**Overview**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Angiotensin II Type 1 Receptor antibody [EPR3873]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit monoclonal [EPR3873] to Angiotensin II Type 1 Receptor</td>
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<tr>
<td>Host species</td>
<td>Rabbit</td>
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<tr>
<td>Specificity</td>
<td>The immunogen used for this product shares 53% homology with Erbin/LAP2. Cross-reactivity with this protein has not been confirmed experimentally.</td>
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<td>Tested applications</td>
<td>Suitable for: WB</td>
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<tr>
<td>Species reactivity</td>
<td>Reacts with: Mouse, Rat, Human</td>
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<tr>
<td>Immunogen</td>
<td>Synthetic peptide within Human Angiotensin II Type 1 Receptor aa 1-100 (N terminal). The exact sequence is proprietary. Database link: P30556</td>
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<td>Positive control</td>
<td>WB: C2C12, PC12, HeLa, and HepG2 whole cell lysate (ab7900).</td>
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<td>General notes</td>
<td>This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents. We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</td>
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**Properties**


Form: Liquid

Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.

Storage buffer: pH: 7.20
Preservative: 0.01% Sodium azide
 Constituents: 40% Glycerol, 0.05% BSA, 59% PBS

Purity: Protein A purified

Clonality: Monoclonal

Clone number: EPR3873

Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab124734 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td>1/1000 - 1/10000. Detects a band of approximately 43 kDa (predicted molecular weight: 41 kDa).</td>
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</table>

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.

Images
All lanes: Anti-Angiotensin II Type 1 Receptor antibody [EPR3873] (ab124734) at 1/2000 dilution (purified)

Lane 1: C2C12 cell lysate
Lane 2: PC-12 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 41 kDa

Blocking buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM/TBST.

Anti-Angiotensin II Type 1 Receptor antibody [EPR3873] (ab124734) at 1/2000 dilution (purified) + HT-1080 cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 41 kDa

Blocking buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM/TBST.
**All lanes**: Anti-Angiotensin II Type 1 Receptor antibody [EPR3873] (ab124734) at 1/1000 dilution (unpurified)

- **Lane 1**: C2C12 cell lysate
- **Lane 2**: PC12 cell lysate
- **Lane 3**: HeLa cell lysate
- **Lane 4**: HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes**: Goat anti-Rabbit HRP at 1/2000 dilution

**Predicted band size**: 41 kDa

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**Please note**: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

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