**Product datasheet**

**Anti-Angiotensin II Type 2 Receptor antibody [EPR3876] ab92445**

**Overview**

**Product name**
Anti-Angiotensin II Type 2 Receptor antibody [EPR3876]

**Description**
Rabbit monoclonal [EPR3876] to Angiotensin II Type 2 Receptor

**Host species**
Rabbit

**Tested applications**
**Suitable for:** WB, IP
**Unsuitable for:** Flow Cyt, ICC or IHC-P

**Species reactivity**
Reacts with: Mouse, Rat, Human

**Immunogen**
Synthetic peptide within Human Angiotensin II Type 2 Receptor aa 300-400 (C terminal). The exact sequence is proprietary.

**Positive control**
WB: HepG2, Human heart, Mouse heart, and Rat heart lysates. IP: Mouse heart cells.

**General notes**
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.

**Properties**

**Form**
Liquid
Storage instructions
Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

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

Purity
Protein A purified

Clonality
Monoclonal

Clone number
EPR3876

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab92445 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Application notes
Is unsuitable for Flow Cyt, ICC or IHC-P.

Target

Function
Receptor for angiotensin II. Cooperates with MTUS1 to inhibit ERK2 activation and cell proliferation.

Tissue specificity
In adult, highly expressed in myometrium with lower levels in adrenal gland and fallopian tube. Very highly expressed in fetal kidney and intestine.

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

Cellular localization
Cell membrane.

Images
**Western blot** - Anti-Angiotensin II Type 2 Receptor antibody [EPR3876] (ab92445)

**All lanes**: Anti-Angiotensin II Type 2 Receptor antibody [EPR3876] (ab92445) at 1/1000 dilution (Purified)

**Lane 1**: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

**Lane 2**: Human heart lysates

**Lane 3**: Mouse heart lysates

**Lane 4**: Rat heart lysates

Lysates/proteins at 15 µg per lane.

**Secondary**

**All lanes**: Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size**: 41 kDa

**Observed band size**: 41 kDa

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**Immunoprecipitation** - Anti-Angiotensin II Type 2 Receptor antibody [EPR3876] (ab92445)

ab92445 (purified) at 1/20 dilution (0.2ug) immunoprecipitating Angiotensin II Type 2 Receptor in Mouse heart lysate.

**Lane 1** (input): Mouse heart lysate 10ug

**Lane 2** (+): ab92445 & Mouse heart lysate

**Lane 3** (-): Rabbit monoclonal IgG (ab172730) instead of ab92445 in Mouse heart lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (ab131366) was used at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.

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

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• We investigate all quality concerns to ensure our products perform to the highest standards

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