

Anti-Angiotensin II Type 1 Receptor antibody [EPR3873] - BSA and Azide free ab239995

Recombinant RabMAb

5 Images

Overview

Product name	Anti-Angiotensin II Type 1 Receptor antibody [EPR3873] - BSA and Azide free
Description	Rabbit monoclonal [EPR3873] to Angiotensin II Type 1 Receptor - BSA and Azide free
Host species	Rabbit
Specificity	The immunogen used for this product shares 53% homology with Erbin/LAP2. Cross-reactivity with this protein has not been confirmed experimentally.
Tested applications	Suitable for: Indirect ELISA, WB Unsuitable for: IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: C2C12, PC12, HeLa, and HepG2 whole cell lysate (ab7900).
General notes	<p>ab239995 is the carrier-free version of ab124734.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p>

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3873
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab239995 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

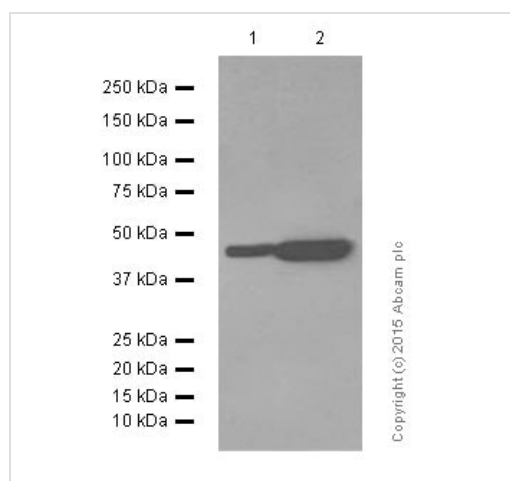
Application	Abreviews	Notes
Indirect ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 43 kDa (predicted molecular weight: 41 kDa).

Application notes Is unsuitable for IHC-P.

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



Western blot - Anti-Angiotensin II Type 1 Receptor antibody [EPR3873] - BSA and Azide free (ab239995)

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.

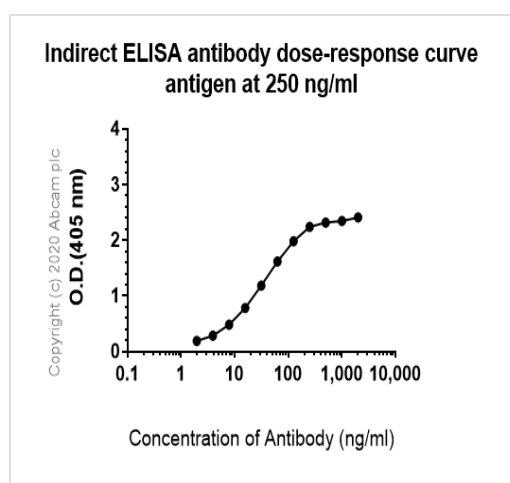
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution

Predicted band size: 41 kDa

This data was developed using [ab124734](#), the same antibody clone in a different buffer formulation.

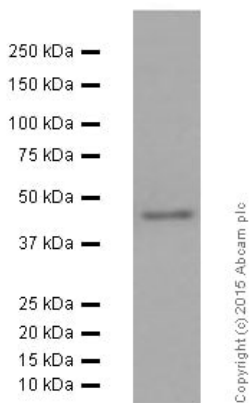
Blocking and dilution buffer: 5% NFDM/TBST.



Indirect ELISA - Anti-Angiotensin II Type 1 Receptor antibody [EPR3873] - BSA and Azide free (ab239995)

This data was developed using [ab124734](#), the same antibody clone in a different buffer formulation.

ELISA analysis of Human Angiotensin II Type 1 Receptor recombinant protein at 250 ng/mL with [ab124734](#). An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/2500 dilution was used as the secondary antibody.



Western blot - Anti-Angiotensin II Type 1 Receptor antibody [EPR3873] - BSA and Azide free (ab239995)

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

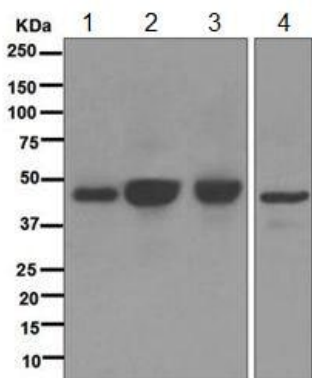
Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

Predicted band size: 41 kDa

This data was developed using [ab124734](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Angiotensin II Type 1 Receptor antibody [EPR3873] - BSA and Azide free (ab239995)

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

This data was developed using [ab124734](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Angiotensin II Type 1 Receptor antibody
[EPR3873] - BSA and Azide free (ab239995)

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

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