


Product datasheet

Anti-Angiotensin II Type 1 Receptor antibody ab59018

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Overview

Product name	Anti-Angiotensin II Type 1 Receptor antibody
Description	Goat polyclonal to Angiotensin II Type 1 Receptor
Host species	Goat
Specificity	All reported variants represent identical protein (NP_000676.1, NP_004826.2, NP_033611.1, NP_114038.1 and NP_114438.1). Preliminary testing was unsuccessful on Rat Liver in Western blot.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Sheep, Rabbit, Guinea pig, Cow, Dog, Pig, Chimpanzee 
Immunogen	Synthetic peptide: C-EIQKNKPRNDDIFK , corresponding to internal sequence amino acids 227-240 of Human Angiotensin II Type 1 Receptor Run BLAST with Run BLAST with
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified

Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab59018 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
WB		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 38 kDa (predicted molecular weight: 41 kDa). 1 hour primary incubation is recommended for this product.

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.

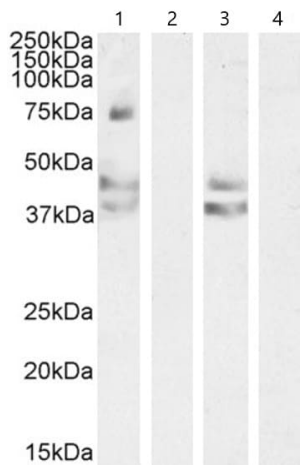
Involvement in disease Defects in AGTR1 are a cause of renal tubular dysgenesis (RTD) [MIM:267430]. RTD is an autosomal recessive severe disorder of renal tubular development characterized by persistent fetal anuria and perinatal death, probably due to pulmonary hypoplasia from early-onset oligohydramnios (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 (ab59018)

All lanes : Anti-Angiotensin II Type 1 Receptor antibody (ab59018)
at 0.2 µg/ml

Lane 1 : Human liver lysate

Lane 2 : Human liver lysate with Immunizing peptide

Lane 3 : Mouse liver lysate

Lane 4 : Mouse liver lysate with Immunizing peptide

Lysates/proteins at 35 µg per lane.

Predicted band size: 41 kDa

Observed band size: 38 kDa

Additional bands at: 45, 75 kDa. We are unsure as to the identity of these extra bands.

Primary incubation: 1 hour at room temperature.

Detected by chemiluminescence.

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

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