


Product datasheet

Anti-Angiotensin II Type 1 Receptor antibody ab97571

2 图像

概述

产品名称	Anti-Angiotensin II Type 1 Receptor抗体
描述	兔多克隆抗体to Angiotensin II Type 1 Receptor
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Sheep, Rabbit, Cow, Dog, Pig, Chimpanzee 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human Angiotensin II Type 1 Receptor.参阅Abcam的专有抗源政策
阳性对照	This antibody gave a positive signal in Mouse Liver tissue lysate. This antibody gave a positive result in IHC in the following FFPE tissue: Human normal lung.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab97571** in the following tested applications.

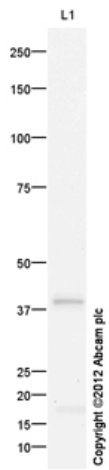
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 41 kDa (predicted molecular weight: 41 kDa).
IHC-P		Use a concentration of 10 µg/ml.

靶标

功能	Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.
组织特异性	Liver, lung, adrenal and adrenocortical adenomas.
疾病相关	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).
序列相似性	Belongs to the G-protein coupled receptor 1 family.
翻译后修饰	C-terminal Ser or Thr residues may be phosphorylated.
细胞定位	Cell membrane.

图片



Western blot - Anti-Angiotensin II Type 1 Receptor antibody (ab97571)

Anti-Angiotensin II Type 1 Receptor antibody (ab97571) at 1 µg/ml (Milk Blocked 3%) + Liver (Mouse) Tissue Lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

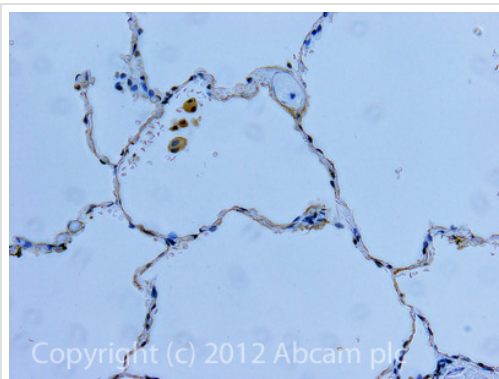
Predicted band size: 41 kDa

Observed band size: 41 kDa

Additional bands at: 18 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes

Abcam recommends using milk as the blocking agent. Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Angiotensin II Type 1 Receptor antibody (ab97571)

IHC image of Angiotensin II Type 1 Receptor staining in Human normal lung formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab97571, 10µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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