

Anti-Renin antibody [EPR20693] ab212197

重组 RabMAb

★★★★★ **8 Abreviews** **8 References** **5 图像**

概述

产品名称	Anti-Renin抗体[EPR20693]
描述	兔单克隆抗体[EPR20693] to Renin
宿主	Rabbit
经测试应用	适用于: IHC-P, IHC-Fr 不适用于: WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human and mouse kidney tissues. IHC-Fr: Mouse and rat kidney tissues.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 .

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 long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.09% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR20693
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab212197于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (4)	1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. (for human); Use at 1/5000 dilution (for mouse). This antibody is not recommended for rat species in IHC application. In our hands this antibody showed non-specific staining on rat kidney tissue sections
IHC-Fr		1/6000.

应用说明

Is unsuitable for WB.

靶标

功能

Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney.

疾病相关

Defects in REN 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).

Defects in REN are the cause of familial juvenile hyperuricemic nephropathy type 2 (HNFJ2) [MIM:613092]. It is a renal disease characterized by juvenile onset of hyperuricemia, slowly progressive renal failure and anemia.

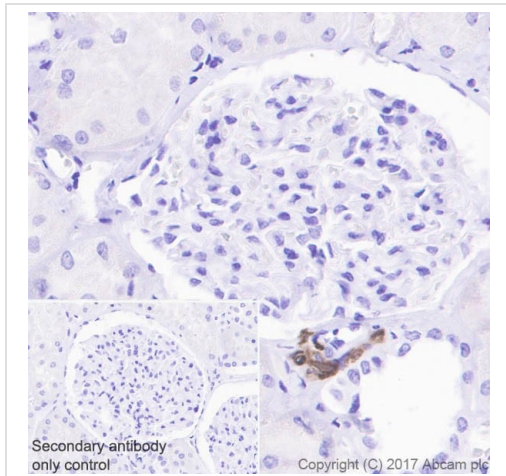
序列相似性

Belongs to the peptidase A1 family.

细胞定位

Secreted. Membrane. Associated to membranes via binding to ATP6AP2.

图片

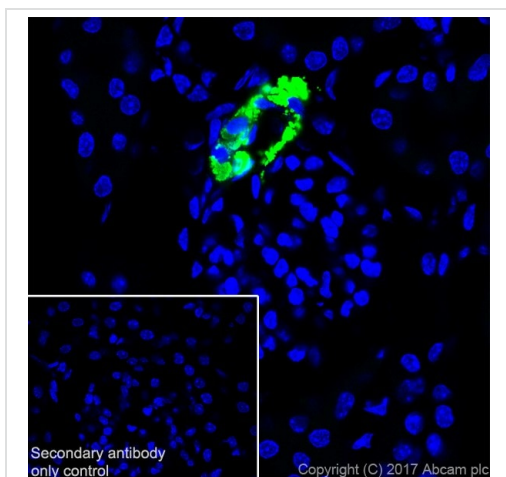


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Renin antibody [EPR20693] (ab212197)

Immunohistochemical analysis of paraffin-embedded human kidney tissue labeling Renin with ab212197 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on juxtaglomerular cells of human kidney (PMID: 1898348). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Heat mediated antigen retrieval performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



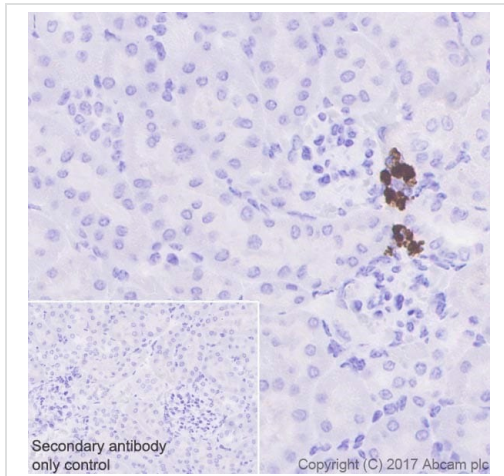
Immunohistochemistry (Frozen sections) - Anti-Renin antibody [EPR20693] (ab212197)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse kidney tissue labeling Renin with ab212197 at 1/6000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Positive cytoplasmic staining in juxtaglomerular cells of mouse kidney tissue section (PMID: 27080979).

The nuclear counter stain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

Heat mediated antigen retrieval performed using Tris-EDTA buffer (pH9.0) ([ab94681](#)).

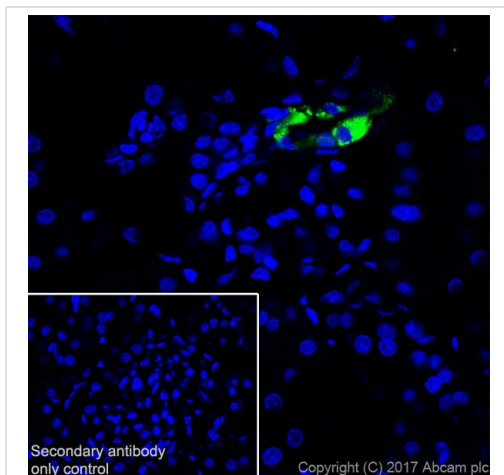


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Renin antibody [EPR20693] (ab212197)

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue labeling Renin with ab212197 at 1/5000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on juxtaglomerular cells of mouse kidney (PMID: 1898348). Counter stained with hematoxylin.

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Immunohistochemistry (Frozen sections) - Anti-Renin antibody [EPR20693] (ab212197)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen rat kidney tissue labeling Renin with ab212197 at 1/6000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Positive cytoplasmic staining in juxtaglomerular cells of rat kidney tissue section (PMID: 27080979).

The nuclear counter stain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

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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-Renin antibody [EPR20693] (ab212197)

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

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