

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Renin



Numéro de catalogue: 14291-1-AP

19 Publications

## Informations de base

Numéro de catalogue:

14291-1-AP

Taille:

150ul, Concentration: 300 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG5612

Numéro d'acquisition GenBank:

BC047752

Identification du gène (NCBI):

5972

Nom complet:

renin

MW calculé

45 kDa

MW observés:

38-47 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

IHC 1:400-1:1600

IF 1:20-1:200

## Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : tissu rénal de rat, tissu cardiaque de souris

IHC : tissu rénal humain, tissu de gliome humain, tissu rénal de souris

IF : cellules HepG2,

## Informations générales

REN(Renin) is also named as angiotensinogenase and belongs to the peptidase A1 family. It 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. Human prorenin and renin are synthesized in juxtaglomerular cells and it locates in the juxtaglomerular cells and afferent arteriole as cytoplasmic granules (PMID:19664745, 9453303). REN has 2 isoforms produced by alternative splicing with the molecular weight of 45-47kDa. The mature REN can be detected as 38-42 kDa due to the cleavage of signal peptide and propeptide, and also detected as 55-60 kDa with variable degrees of glycosylation (PMID: 20966072, 15226276). Defects in REN are a cause of renal tubular dysgenesis (RTD) and familial juvenile hyperuricemic nephropathy type 2 (HNF12).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Eriko Negishi	30256128	Am J Physiol Renal Physiol	WB
Hadrien-Gaël Boyer	29084882	Hypertension	IHC
Brasilina Caroccia	29066763	Sci Rep	IHC

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

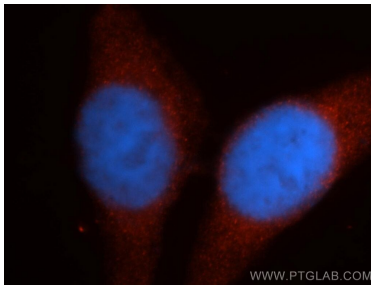
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

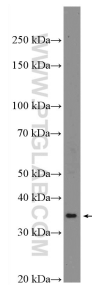
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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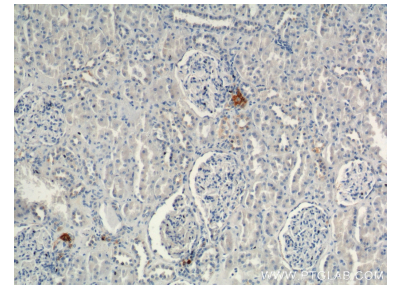
## Données de validation sélectionnées



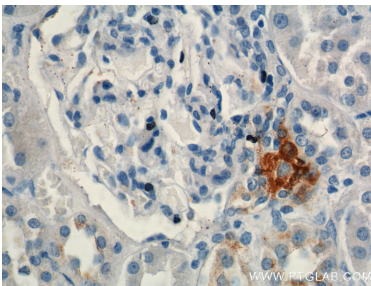
Immunofluorescent analysis of HepG2 cells, using REN antibody 14291-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



rat kidney tissue were subjected to SDS PAGE followed by western blot with 14291-1-AP (Renin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14291-1-AP (Renin antibody at dilution of 1:800 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14291-1-AP (Renin antibody at dilution of 1:800 (under 40x lens).