

For Research Use Only

# REN Polyclonal antibody

Catalog Number: 29330-1-AP



## Basic Information

<b>Catalog Number:</b> 29330-1-AP	<b>GenBank Accession Number:</b> BC047752	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5972	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> renin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 45 kDa	
<b>Immunogen Catalog Number:</b> AG31071	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : COS-7 cells, HepG2 cells
<b>Species Specificity:</b> Human, monkey	

## Background Information

Renin is an aspartic protease that consists of 2 homologous lobes, produced as pre-prorenin protein and transferred into the cisterns of the endoplasmic reticulum. Renin is mainly produced and released into circulation by the so-called juxtaglomerular epithelioid cells, located in the walls of renal afferent arterioles at the entrance of the glomerular capillary network (PMID: 16525949).REN has 2 isoforms produced by alternative splicing with a molecular weight of 45-47kDa.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

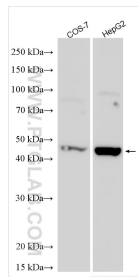
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29330-1-AP (REN antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.