

REN

Reactivity:Human Mouse

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:45kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human REN

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

FLJ10761;

Catalog #:A1585

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:5972

Isotype:IgG

Swiss Prot:P00797

Purity:Affinity purification

For research use only.

Background:

Renin is a secreted proteinase whose enzymatic activity is to convert angiotensinogen into angiotensin I in the plasma, initiating a process that results in an elevation of blood pressure and increased sodium retention by the kidney (1). Renin is synthesized in kidney as a precursor, prorenin, which is released into circulation. Both renin and prorenin can bind to (pro)renin receptor and induce angiotensin-independent signaling events leading to activation of MAPKs and up-regulation of TGF-1 and matrix proteins (2, 3). Defects in renin can cause renal tubular dysgenesis, a severe autosomal recessive disorder of renal tubular development (4, 5).

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