

## 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).

*To place an order, please [Click HERE](#).*