

Recombinant

DGRmAb®

Renin (DGR33597) Rabbit mAb

db13093

Package : 10µL 20µL 50µL 100µL

Product Name : Renin (DGR33597) Rabbit mAb**Cat.No.:** db13093**Synonyms** : HNFJ2**Application** : WB, FC**Reactivity** : Human**Host species** : Rabbit**Background**

This gene encodes renin, an aspartic protease that is secreted by the kidneys. Renin is a part of the renin-angiotensin-aldosterone system involved in regulation of blood pressure, and electrolyte balance. This enzyme catalyzes the first step in the activation pathway of angiotensinogen by cleaving angiotensinogen to form angiotensin I, which is then converted to angiotensin II by angiotensin I converting enzyme. This cascade can result in aldosterone release, narrowing of blood vessels, and increase in blood pressure as angiotension II is a vasoconstrictive peptide. Transcript variants that encode different protein isoforms and that arise from alternative splicing and the use of alternative promoters have been described, but their full-length nature has not been determined. Mutations in this gene have been shown to cause hyperuricemic nephropathy familial juvenile 2, familial hyperproreninemia, and renal tubular dysgenesis. [provided by RefSeq, May 2020]

Immunogen

A synthetic peptide of human Renin

Gene ID

5972

Swiss Prot

P00797

Synonyms

HNFJ2

Reactivity

Human

Application

WB, FC

Recommended dilution

WB: 1:1000-1:5000

FC: 1:10-1:100

Calculated MW

45 kDa

Observed MW

45 kDa

Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR33597
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.