

Product datasheet for **TA327091**

Renin (REN) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human REN
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	renin
Database Link:	NP_000528 Entrez Gene 24715 Rat Entrez Gene 5972 Human P00797
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 . 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- β 1 and matrix proteins . Defects in renin can cause renal tubular dysgenesis, a severe autosomal recessive disorder of renal tubular development .
Synonyms:	HNFJ2

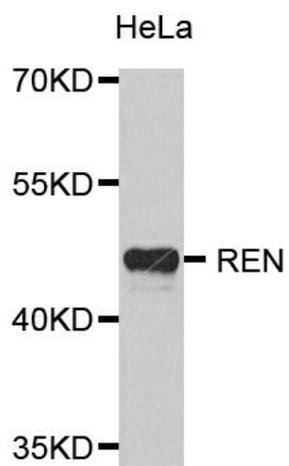


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Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Renin-angiotensin system

Product images:



Western blot analysis of extract of various cells, using REN antibody.