

## Product datasheet for **TA308950**

### Renin (REN) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Chimpanzee)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 70 and 332 of Renin (Uniprot ID#P00797)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
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:	<a href="#">NP_000528</a> <a href="#">Entrez Gene 5972 Human P00797</a>

**Background:** Renin catalyzes the first step in the activation pathway of angiotensinogen--a cascade that can result in aldosterone release, vasoconstriction, and increase in blood pressure. Renin, an aspartyl protease, cleaves angiotensinogen to form angiotensin I, which is converted to angiotensin II by angiotensin I converting enzyme, an important regulator of blood pressure and electrolyte balance. 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 familial hyperproreninemia. [provided by RefSeq]



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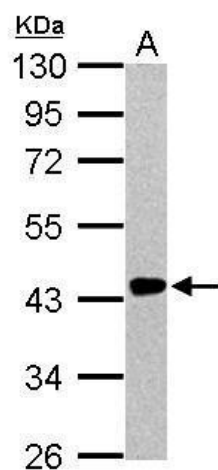
Synonyms: HNFJ2

Note: Seq homology of immunogen across species: Chimpanzee (100%)

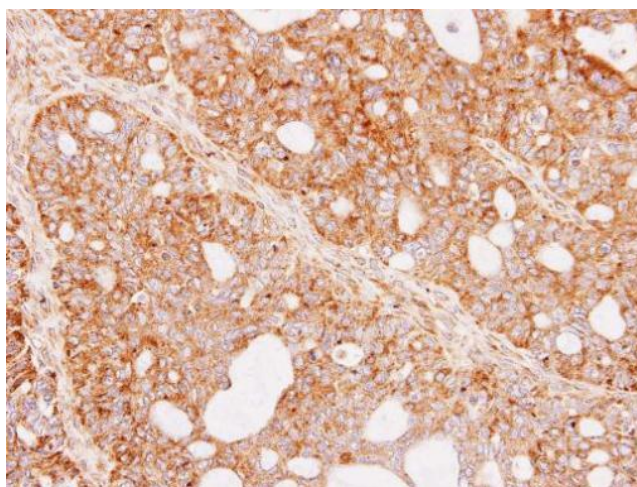
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Renin-angiotensin system

### Product images:



Renin antibody [N2C2], Internal detects REN protein by Western blot analysis. A. 30 ug K562 whole cell lysate/extract. 10 % SDS-PAGE. Renin antibody [N2C2], Internal (TA308950) dilution: 1:1000



Immunohistochemical analysis of paraffin-embedded OVCA xenograft, using Renin (TA308950) antibody at 1:100 dilution.