

Rabbit anti-Human, Mouse Renin Polyclonal Antibody | anti-REN antibody

Renin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327295	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

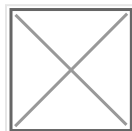
PRODUCT SYNONYMS

Renin; Polyclonal Antibody; Renin Antibody; Angiotensin forming enzyme; Angiotensin forming enzyme precursor; Angiotensinogenase; Angiotensinogenase precursor; FLJ10761; HNFJ2; REN; Ren1; RENI_HUMAN; Renin precursor renal; anti-REN antibody

PRODUCT SPECIFICATIONS

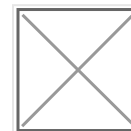
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Renin antibody detects endogenous levels of total Renin
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	406
Applicable Applications for anti-REN antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Renin
Subcellular Location	Secreted. Membrane. Associated to membranes via binding to ATP6AP2.
Predicted Cross Reactivity	Pig
Similarity	Pig (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327295 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of Renin using COLO205 whole lysates.



IHC (Immunohistochemistry)

AAA327295 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-REN antibody	Function: Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney. Subunit Structure: Interacts with ATP6AP2. Similarity: Belongs to the peptidase A1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506475
NCBI GeneID	5972
NCBI Accession #	NP_000528.1
NCBI GenBank Nucleotide #	NM_000537.3
UniProt Accession #	P00797; Q6FI38; Q6T5C2
Molecular Weight	Observed: 45 kDa Predicted: 46 kDa
NCBI Official Full Name	renin preproprotein
NCBI Official Synonym Full Names	renin
NCBI Official Symbol	REN
NCBI Official Synonym Symbols	HNFJ2
NCBI Protein Information	renin
UniProt Protein Name	Renin
UniProt Gene Name	REN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/renin-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327295>