

# Product Datasheet

## Renin R Antibody - BSA Free NBP1-90820

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-90820**

Renin R Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

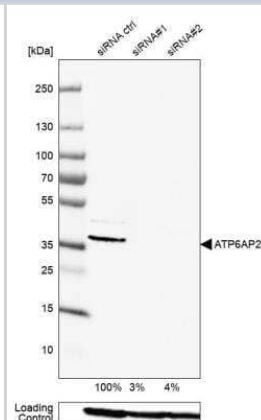
<b>Host</b>	Rabbit
<b>Gene ID</b>	10159
<b>Gene Symbol</b>	ATP6AP2
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Reactivity reported in scientific literature (PMID: 23469216). Rat reactivity reported in scientific literature (PMID: 25250989), Mouse reactivity reported in scientific literature (PMID:25046440).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: NLSLRNNEVDLLFLSELQVLHDISSLLSRHKHLAKDHSPDLYSLELAGLDEIGKR YGEDSEQFRDASKILVDALQKFADDMYSLYGGNAVVELVTVKSFDTSILIRKTRTI LEAKQAKNPASPYNLAYKYNFEYSVVFN

**Product Application Details**

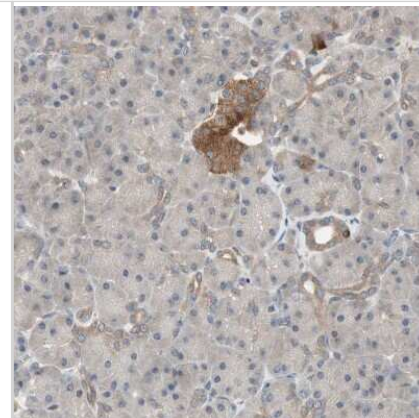
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. WB, ICC/IF reported in scientific literature (PMID: 25143455).

**Images**

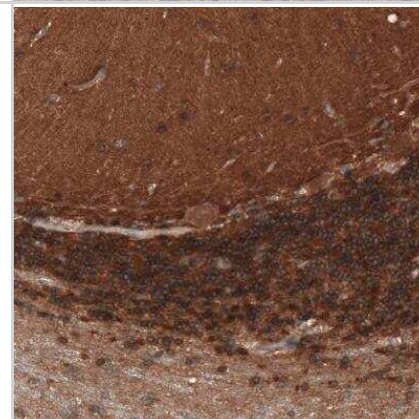
Western Blot: Renin R Antibody [NBP1-90820] - Analysis in HEK293 cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-PPIB.



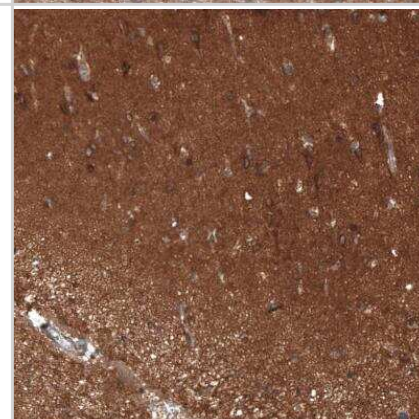
Immunohistochemistry-Paraffin: Renin R Antibody [NBP1-90820] - Staining of human pancreas shows moderate cytoplasmic positivity in islets of Langerhans.



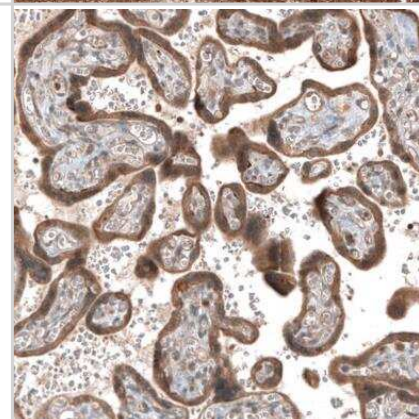
Immunohistochemistry-Paraffin: Renin R Antibody [NBP1-90820] - Staining of human cerebellum shows moderate cytoplasmic/ membranous positivity in cells in granular layer



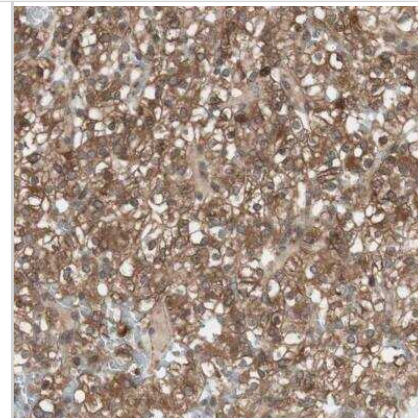
Immunohistochemistry-Paraffin: Renin R Antibody [NBP1-90820] - Staining of human cerebral cortex shows moderate cytoplasmic/ membranous positivity in neurons and moderately stained neuropil.



Immunohistochemistry-Paraffin: Renin R Antibody [NBP1-90820] - Staining of human placenta shows moderate cytoplasmic/ membranous positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: Renin R Antibody [NBP1-90820] - Staining of human renal cancer shows moderate membranous positivity in tumor cells.



## Publications

Senturk M, Lin G, et al. Ubiquilins regulate autophagic flux through mTOR signalling and lysosomal acidification. *Nat Cell Biol* 2019-03-01 [PMID: 30804504] (WB, Human)

Gonzalez AA, Womack JP, Liu L et al. Angiotensin II increases the expression of (pro)renin receptor during low salt conditions in rat renal inner medullary collecting ducts. *Am J Med Sci* 2014-11-01 [PMID: 25250989] (ICC/IF, WB, Rat)

Gonzalez AA, Green T, Luffman C et al. Renal medullary cyclooxygenase-2 and (pro)renin receptor expression during angiotensin II-dependent hypertension. *Am J Physiol Renal Physiol* 2014-10-15 [PMID: 25143455] (ICC/IF, WB, Rat)

Alva Rosendahl, Gianina Niemann, Sascha Lange et al. Increased expression of (pro)renin receptor does not cause hypertension or cardiac and renal fibrosis in mice. *Laboratory Investigation* 2014-08-01 [PMID: 25046440] (WB, Mouse)

KIRSCH S, SCHREZENMEIER E, KLARE S et al. The (pro)renin receptor mediates constitutive PLZF-independent pro-proliferative effects which are inhibited by bafilomycin but not genistein. *Int J Mol Med* 2014-04-01 [PMID: 24424509]

Zaade D, Schmitz J, Benke E et al. Distinct Signal Transduction Pathways Downstream of the (P)RR Revealed by Microarray and Chromatin Immunoprecipitation-Chromatin Immunoprecipitation Analyses. *PLoS One* 2013-01-01 [PMID: 23469216]

Gonzalez AA, Lara LS, Luffman C et al. Soluble form of the (pro)renin receptor is augmented in the collecting duct and urine of chronic angiotensin II-dependent hypertensive rats. *Hypertension* 2011-04-01 [PMID: 21321306]

Prieto MC, Williams DE, Liu L et al. Enhancement of renin and prorenin receptor in collecting duct of Cyp1a1-Ren2 rats may contribute to development and progression of malignant hypertension. *Am J Physiol Renal Physiol* 2011-02-01 [PMID: 21068087]



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### **Products Related to NBP1-90820**

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NBP1-90820PEP	Renin R Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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