

# 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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### Publications: 8

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**NBP1-90820**

Renin R Antibody - BSA Free

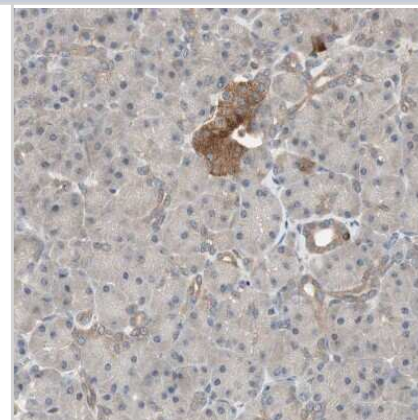
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	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 YGEDSEQFRDASKILVDALQKFADDMYSLYGGNAVVELVTVKSFDTSLIRKTRTI LEAKQAKNPASPYNLAYKYNFEYSVVFN

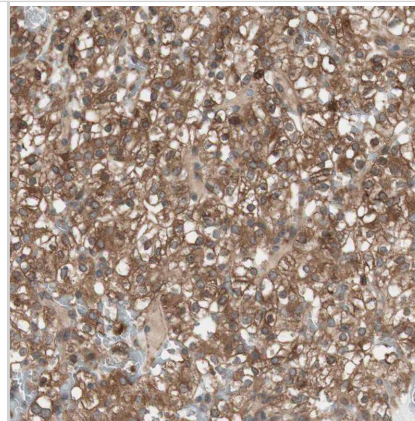
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 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**

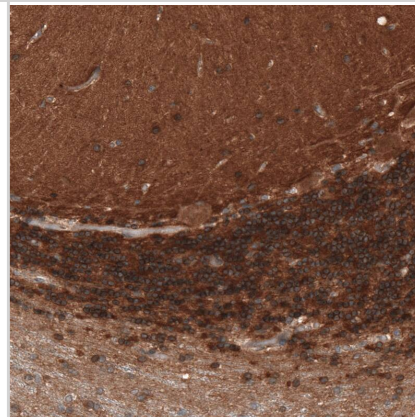
Immunohistochemistry-Paraffin: Renin R Antibody [NBP1-90820] - Staining of human pancreas shows moderate cytoplasmic positivity in islets of Langerhans.



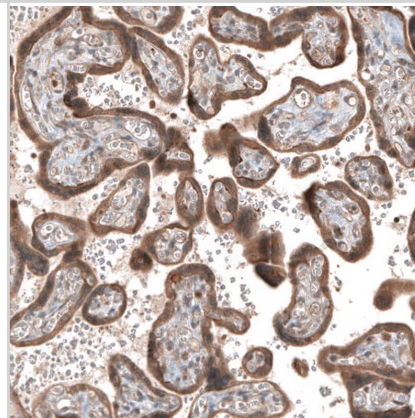
Staining of human renal cancer shows moderate membranous positivity in tumor cells.



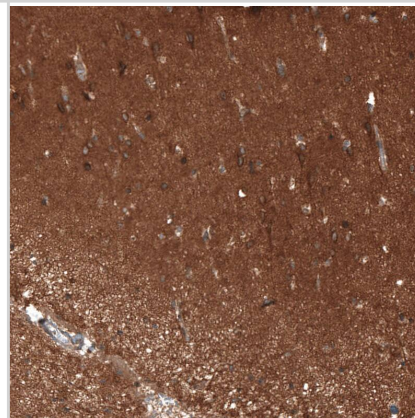
Staining of human cerebellum shows moderate cytoplasmic/ membranous positivity in cells in granular layer.



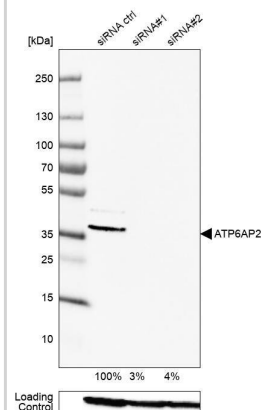
Staining of human placenta shows moderate cytoplasmic/ membranous positivity in trophoblastic cells.



Staining of human cerebral cortex shows moderate cytoplasmic/ membranous positivity in neurons and moderately stained neuropil.



Analysis in HEK293 cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented.  
Loading control: Anti-PPIB.



## 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]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **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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