

# Product Datasheet

## ACE-2 Antibody - BSA Free

### NBP1-76614

Unit Size: 0.1 mg

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 8

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-76614](http://www.novusbio.com/NBP1-76614)

Updated 3/4/2026 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-76614](http://www.novusbio.com/reviews/destination/NBP1-76614)



**NBP1-76614**

ACE-2 Antibody - BSA Free

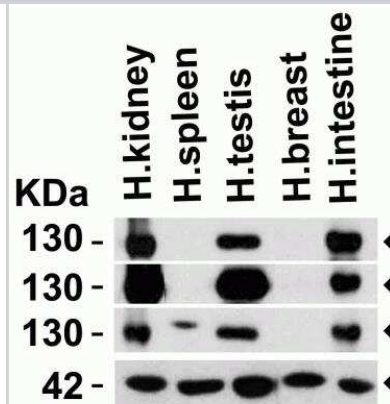
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	90 kDa

Product Description	
Host	Rabbit
Gene ID	59272
Gene Symbol	ACE2
Species	Human, Mouse, Rat
Specificity/Sensitivity	Anti-ACE2 has no cross response to ACE1.
Immunogen	Antibody was raised against a peptide corresponding to 17 amino acids near the center of human ACE-2. The immunogen is located within amino acids 180 - 230 of ACE-2. Amino Acid Squence: RANHYEDYGDYWRGDYE

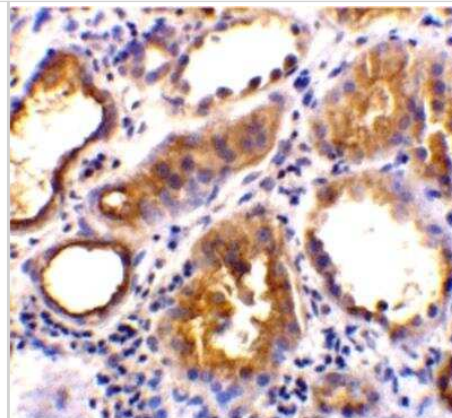
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2ug/ml, Immunocytochemistry/ Immunofluorescence 20ug/ml, Immunohistochemistry-Paraffin 2ug/ml

**Images**

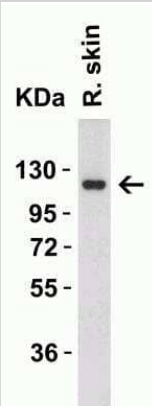
Western Blot: ACE-2 Antibody [NBP1-76614] - Independent Antibody Validation (IAV) via Protein Expression Profile in Human Tissues  
 Loading: 15 ug of lysates per lane. Antibodies: ACE2, (2 ug/mL), ACE2, (2 ug/mL), ACE2, (2 ug/mL) and beta-actin (1 ug/mL), 1h incubation at RT in 5% NFD/MTBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



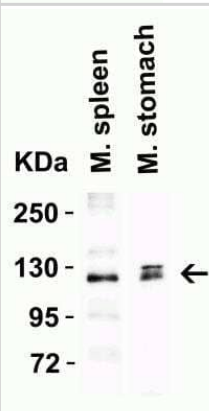
**Immunohistochemistry-Paraffin: ACE-2 Antibody [NBP1-76614] -**  
 Analysis of paraffin-embedded human kidney tissue using anti-ACE2 antibody 2 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



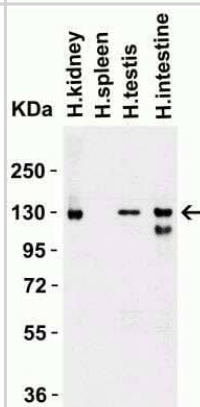
**Western Blot: ACE-2 Antibody [NBP1-76614] - Validation in Rat Skin**  
 Tissue Loading: 15 ug of lysates per lane. Antibodies: ACE2 (2 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



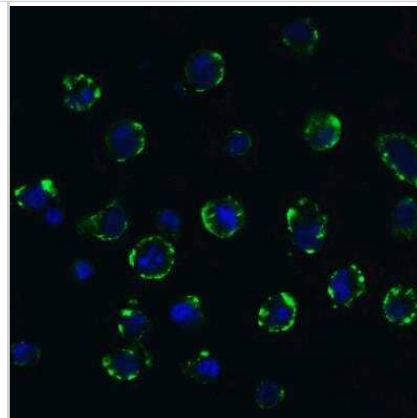
**Western Blot: ACE-2 Antibody [NBP1-76614] - Loading: 15 ug of lysates**  
 per lane. Antibodies: ACE2, (2 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



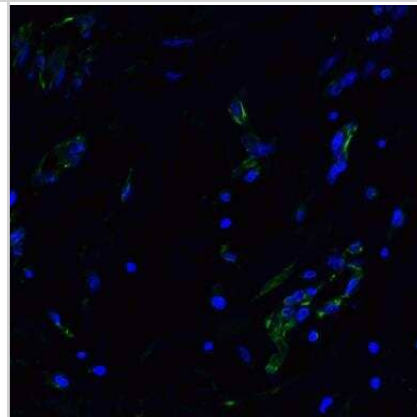
**Western Blot: ACE-2 Antibody [NBP1-76614] - Validation in Human**  
 Tissues Loading: 15 ug of lysates per lane. Antibodies: ACE2, (2 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



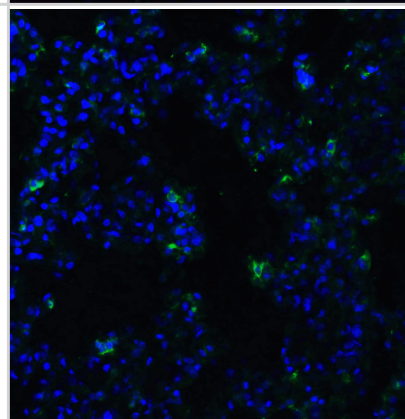
Immunocytochemistry/Immunofluorescence: ACE-2 Antibody [NBP1-76614] - Analysis of 4% paraformaldehyde-fixed Caco2 cells labeling ACE2 at 20 mg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue). Image showing membrane staining on Caco2 cells.



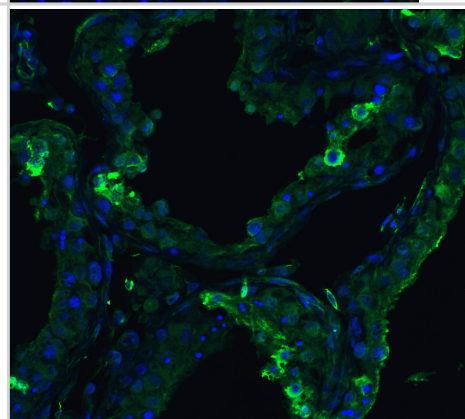
Immunocytochemistry/Immunofluorescence: ACE-2 Antibody [NBP1-76614] - Analysis of 4% paraformaldehyde-fixed human lung tissue labeling ACE-2 at 20 mg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



Immunocytochemistry/ Immunofluorescence: ACE-2 Antibody - BSA Free [NBP1-76614] - Validation of ACE-2 in Rat Lung Tissue. Immunofluorescent analysis of 4% paraformaldehyde-fixed rat lung tissue labeling ACE-2 with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



Immunocytochemistry/ Immunofluorescence: ACE-2 Antibody - BSA Free [NBP1-76614] - Validation of ACE-2 in Human Testis Tissue. Immunofluorescent analysis of 4% paraformaldehyde-fixed human testis tissue labeling ACE-2 with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



## Publications

Croatt A, Singh R, Grande J et al. ACE2 Deficiency Protects Against Heme Protein-Induced Acute Kidney Injury American journal of physiology. Renal physiology 2025-05-01 [PMID: 40131861]

Caroccia B, Vanderriele PE, Seccia TM et al. Aldosterone and cortisol synthesis regulation by angiotensin-(1-7) and angiotensin-converting enzyme 2 in the human adrenal cortex Journal of Hypertension 2021-08-01 [PMID: 33657582] (Immunohistochemistry, Mouse)

Minjin Jeong, Karen E. Ocwieja, Dongjun Han, P. Ashley Wackym, Yichen Zhang, Alyssa Brown, Cynthia Moncada, Andrea Vambutas, Theodore Kanne, Rachel Crain, Noah Siegel, Valerie Leger, Felipe Santos, D. Bradley Welling, Lee Gehrke, Konstantina M. Stankovic Direct SARS-CoV-2 infection of the human inner ear may underlie COVID-19-associated audiovestibular dysfunction Communications Medicine 2021-10-29 [PMID: 34870285]

Nath K, Singh R, Grande J et al. Expression of ACE2 in the Intact and Acutely Injured Kidney Kidney360 2022-04-04 [PMID: 35368365]

Singh RD, Barry MA, Croatt AJ et al. The spike protein of SARS-CoV-2 virus induces heme oxygenase-1: Pathophysiologic implications Biochimica et biophysica acta. Molecular basis of disease 2021-12-14 [PMID: 34920080] (WB, Human)

Tomchaney M, Contoli M, Mayo J Et al. Paradoxical effects of cigarette smoke and COPD on SARS-CoV-2 infection and disease BMC pulmonary medicine 2021-08-23 [PMID: 34425811] (ICC/IF)

Snelson M, R Muralitharan R, Dinakis E et al. Renal ACE2 (Angiotensin-Converting Enzyme 2) Expression Is Modulated by Dietary Fiber Intake, Gut Microbiota, and Their Metabolites Hypertension (Dallas, Tex. : 1979) 2021-04-19 [PMID: 33866801]

Wang L, Liang J, Leung PS. The ACE2/Ang-(1-7)/Mas Axis Regulates the Development of Pancreatic Endocrine Cells in Mouse Embryos. PLoS One 2015-01-01 [PMID: 26029927] (IF/IHC, Mouse)





### **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 NBP1-76614**

---

NBP1-76614PEP	ACE-2 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-76614](http://www.novusbio.com/reviews/submit/NBP1-76614)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

