

# Product Datasheet

## NHE3/SLC9A3 Antibody NBP1-46581

Unit Size: 0.1 ml

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: 6

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-46581](http://www.novusbio.com/NBP1-46581)

Updated 9/9/2025 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/NBP1-46581](http://www.novusbio.com/reviews/destination/NBP1-46581)



**NBP1-46581****NHE3/SLC9A3 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<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>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Lyophilized from whole antisera

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit NHE3/SLC9A3 Antibody (NBP1-46581) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-NHE3/SLC9A3 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	6550
<b>Gene Symbol</b>	SLC9A3
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide from amino acid region 650-700 of human NHE3/SLC9A3 conjugated to blue carrier protein was used as the antigen.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:200-1:2000, Immunohistochemistry 1:200-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:200-1:2000
<b>Application Notes</b>	The optimal dilution should be determined by the end user. Although not tested this antibody may be useful in Immunohistochemistry-Paraffin. ICC/IF, and IHC-FR were reported in scientific literature (PMID: 23548792).

**Publications**

Hu G, Xie D, Chen C et al. Renal medullary overexpression of sphingosine-1-phosphate receptor 1 transgene attenuates deoxycorticosterone acetate (DOCA)-salt hypertension American journal of hypertension 2023-05-12 [PMID: 37171128] (WB, Mouse)

Yang J, Zhao X, Patel A et al. Rapamycin Inhibition of mTOR Reduces Levels of the Na<sup>+</sup>/H<sup>+</sup> Exchanger 3 in Intestines of Mice and Humans, Leading to Diarrhea Gastroenterology 2015-03-30 [PMID: 25836987] (WB, Mouse)

Pasham V, Rotte A, Gu S et al. Upregulation of intestinal NHE3 following saline ingestion. Kidney Blood Press Res 2013-01-01 [PMID: 23548792] (WB, IHC-Fr, ICC/IF, Mouse)

Zachos NC et al. Cell. Physiol. Biochem. 22:693-704. 2008-01-01 [PMID: 19088451]

Schmutz J et al. Nature 431:268-274. 2004-01-01 [PMID: 15372022]

Brant SR et al. Am. J. Physiol. 269:C198-C206. 1995-01-01 [PMID: 7631746]





### **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 NBP1-46581**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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/NBP1-46581](http://www.novusbio.com/reviews/submit/NBP1-46581)

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

