

# Product Datasheet

## Vanilloid R1/TRPV1 Antibody

### NB120-3487

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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



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

**Publications: 6**

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Updated 9/9/2025 v.20.1

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**NB120-3487**

## Vanilloid R1/TRPV1 Antibody

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 1 mg/ml BSA

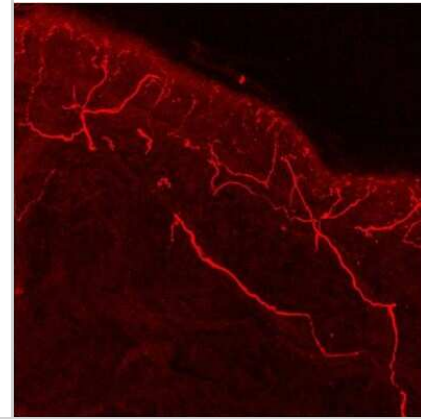
Product Description	
Description	Novus Biologicals Rabbit Vanilloid R1/TRPV1 Antibody (NB120-3487) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Vanilloid R1/TRPV1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7442
Gene Symbol	TRPV1
Species	Human
Immunogen	Synthetic peptide corresponding to residues T(7) D L G A A A D P L Q K D T C (21) of human VR1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 1 ug/ml
Application Notes	Use in ICC/IF reported in scientific literature (PMID:33362470). WB usage was reported in scientific literature. IF: Staining of VR1 in human prostatic urethra results in fibrous staining within the epithelial cells.

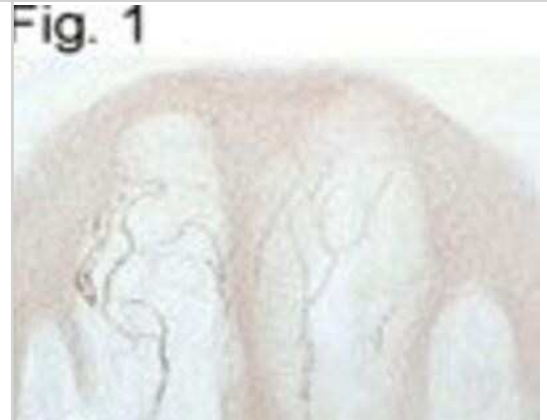


## Images

Immunohistochemistry-Frozen: Vanilloid R1/TRPV1 Antibody [NB120-3487] - Frozen human skin tissue sections were fixed with paraformaldehyde and stained. Vanilloid Receptor 1 staining is shown in red. Data courtesy of the Innovators Program.



Immunohistochemistry-Frozen: Vanilloid R1/TRPV1 Antibody [NB120-3487] - Immunolocalization of VR1 in human glabrous skin.



## Publications

Jin Y, Brennecke J, Sodmann A et al. Antibody selection and automated quantification of TRPV1 immunofluorescence on human skin *Sci Rep* 2024-11-18 [PMID: 39557902]

Xing Y, Steele HR, Hilley HB et al. Visualizing the itch-sensing skin arbors *J Invest Dermatol* 2020-10-22 [PMID: 33091423]

Viventi S, Frausin S, Howden SE et al. In vivo survival and differentiation of Friedreich ataxia iPSC-derived sensory neurons transplanted in the adult dorsal root ganglia *Stem cells translational medicine* 2021-03-18 [PMID: 33734599]

Hulme AJ, McArthur JR, Maksour S et al. Molecular and Functional Characterization of Neurogenin-2 Induced Human Sensory Neurons *Frontiers in cellular neuroscience* 2020-12-04 [PMID: 33362470] (ICC/IF, Human)

Pecze L et al. Human keratinocytes are vanilloid resistant. *PLoS One*;3(10):e3419. 2008-01-01 [PMID: 18852901] (WB, Human)

Karai L et al. Deletion of vanilloid receptor 1-expressing primary afferent neurons for pain control. *J Clin Invest*;113(9):1344-52. 2004-05-01 [PMID: 15124026] (IF/IHC, Human)



### **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 NB120-3487**

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NBL1-17340	Vanilloid R1/TRPV1 Overexpression Lysate
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

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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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