

# Product Datasheet

## Vanilloid R1/TRPV1 Antibody

### NB120-3487

Unit Size: 100 ug

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

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**NB120-3487**

## Vanilloid R1/TRPV1 Antibody

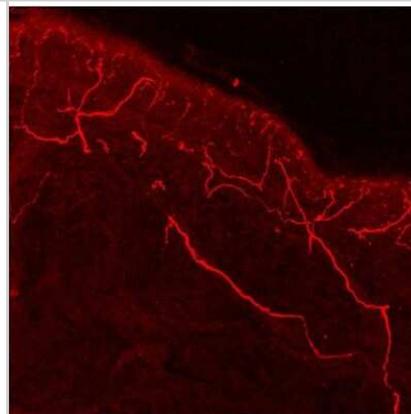
Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 1 mg/ml BSA

Product Description	
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.

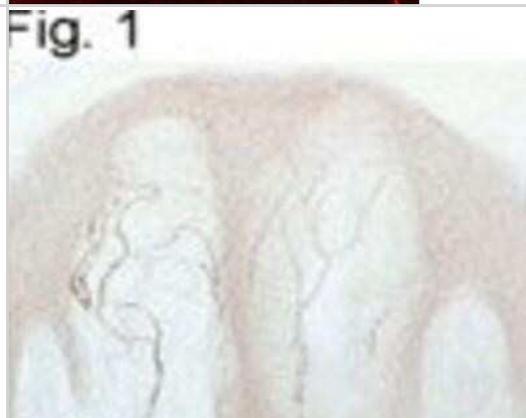
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 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

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)



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### **Products Related to NB120-3487**

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NBL1-17340	Vanilloid R1/TRPV1 Overexpression Lysate
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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