

# Product Datasheet

## Vanilloid R1/TRPV1 Antibody

### NB100-98897

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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**NB100-98897****Vanilloid R1/TRPV1 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

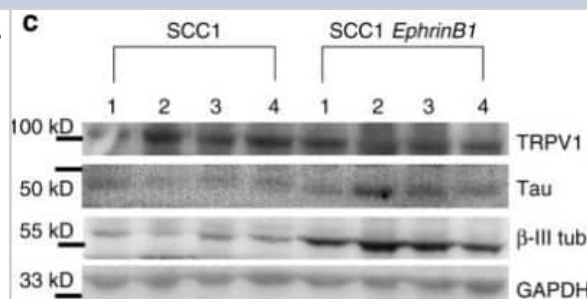
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	7442
<b>Gene Symbol</b>	TRPV1
<b>Species</b>	Human, Rat, Porcine
<b>Reactivity Notes</b>	Porcine reactivity reported in scientific literature (PMID: 29351450). Rat reactivity reported in scientific literature (PMID: 22579820). The antigen displays sequence identity for other non-tested species including Canine.
<b>Immunogen</b>	A synthetic peptide from human Vanilloid R1/TRPV1 conjugated to blue carrier protein was used as the antigen.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:2000, Immunohistochemistry 1:2000, Immunohistochemistry-Paraffin 1:2000

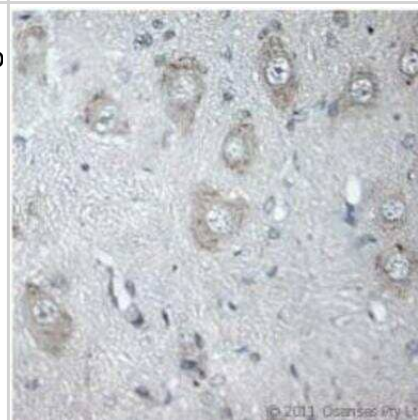


## Images

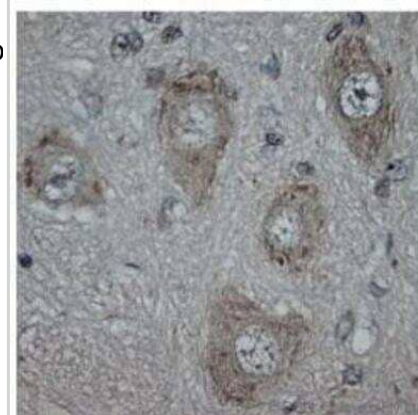
Western Blot: Vanilloid R1/TRPV1 Antibody [NB100-98897] - HPV status and EphrinB1 contribute to neurite outgrowth. Western blot analysis of whole tumor lysates from mice bearing SCC1 or SCC1 EphrinB1 tumors. Western blots repeated at least  $n = 4$  times with technical replicates. Western blots have been cropped for clarity and conciseness. Image collected and cropped by CiteAb from the following publication ([www.nature.com/articles/s41467-018-06640-0](http://www.nature.com/articles/s41467-018-06640-0)) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: Vanilloid R1/TRPV1 Antibody [NB100-98897] - IHC on rat spinal cord (paraffin section) using Rabbit antibody to 3d cytoplasmic loop TRPV1 (VR1, capsaicin receptor, vanilloid receptor 1): whole serum (NB100-98897) at 1: 300 dilution incubated overnight at 4C.



Immunohistochemistry-Paraffin: Vanilloid R1/TRPV1 Antibody [NB100-98897] - IHC on rat spinal cord (paraffin section) using Rabbit antibody to 3d cytoplasmic loop TRPV1 (VR1, capsaicin receptor, vanilloid receptor 1): whole serum (NB100-98897) at 1: 300 dilution incubated overnight at 4C.



## Publications

Madeo M, Colbert PL, Vermeer DW et al. Cancer exosomes induce tumor innervation. Nat Commun. 2018-10-16 [PMID: 30327461] (WB, Human)

Yoshie K, Rajendran PS, Massoud L et al. Cardiac Vanilloid Receptor-1 Afferent Depletion Enhances Stellate Ganglion Neuronal Activity and Efferent Sympathetic Response to Cardiac Stress Am. J. Physiol. Heart Circ. Physiol. 2018-01-16 [PMID: 29351450] (Porcine)

Wen W, Que K, Zang C et al. Expression and distribution of three transient receptor potential vanilloid (TRPV) channel proteins in human odontoblast-like cells J. Mol. Histol. 2017-09-13 [PMID: 28905239] (IF/IHC, Human)

Issa AT, Miyata K, Heng V, Mitchell KD, Derbenev AV. Increased neuronal activity in the OVLT of Cyp1a1-Ren2 transgenic rats with inducible Ang II-dependent malignant hypertension. Neurosci Lett. 2012-05-08 [PMID: 22579820] (WB, Rat)



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### **Products Related to NB100-98897**

NBL1-17340	Vanilloid R1/TRPV1 Overexpression Lysate
NB100-98897PEP	Vanilloid R1/TRPV1 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.

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