Product Datasheet

Vanilloid R1/TRPV1 Antibody NB100-1617

Unit Size: 0.05 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB100-1617

Vanilloid R1/TRPV1 Antibody

Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera
Product Description	
Host	Rabbit
Gene ID	7442
Gene Symbol	TRPV1
Species	Human, Mouse, Rat, Primate
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25801060).
Specificity/Sensitivity	Vanilloid Receptor 1
Immunogen	Synthetic peptide: RASLDSEESESPPQENSC, corresponding to amino-terminus of Rat VR1, amino acids 4-21.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry- Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:1000, Immunoprecipitation 1:10- 1:500, Immunohistochemistry-Paraffin 1:1000, Immunohistochemistry-Frozen
Application Notes	Optimal dilution should be determined by investigator. IHC-Frozen reactivity reported in scientific literature (PMID: 23573230), Immunoprecipitation reactivity reported in scientific literature (PMID: 25801060).

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Images





Publications

Park KT, Ko SG, Kim W Phlomidis Radix Extract Alleviates Paclitaxel-Induced Neuropathic Pain by Modulating Spinal TRPV1 in Mice Plants (Basel, Switzerland) 2023-11-10 [PMID: 38005716] (WB, Mouse)

Lee S, Lim NY, Kang MS et al. IL-31RA and TRPV1 Expression in Atopic Dermatitis Induced with Trinitrochlorobenzene in Nc/Nga Mice International journal of molecular sciences 2023-08-31 [PMID: 37686326] (IHC, Mouse)

Chen YS, Lian YZ, Chen WC et al. Lycium barbarum Polysaccharides and Capsaicin Inhibit Oxidative Stress, Inflammatory Responses, and Pain Signaling in Rats with Dextran Sulfate Sodium-Induced Colitis International journal of molecular sciences 2022-02-22 [PMID: 35269566] (WB, Rat)

Zhao M, Chen Z, Liu L et al. Functional Expression of Transient Receptor Potential and Piezo1 Channels in Cultured Interstitial Cells of Human-Bladder Lamina Propria Frontiers in physiology 2022-01-06 [PMID: 35069237] (IF/IHC, Human)

Hori A, Norio H, Fukazawa A et al. Insulin potentiates the response to capsaicin in dorsal root ganglion neurons in vitro and muscle afferents ex vivo in normal healthy rodents The Journal of physiology 2021-12-30 [PMID: 34967443]

Liu Y, Yang H, Fu Y et al. TRPV1 Antagonist Prevents Neonatal Sevoflurane-Induced Synaptic Abnormality and Cognitive Impairment in Mice Through Regulating the Src/Cofilin Signaling Pathway Frontiers in cell and developmental biology 2021-07-07 [PMID: 34307363] (WB, ICC/IF)

Bouskila J, Micaelo-Fernandes C, Palmour RM et al. Transient receptor potential vanilloid type 1 is expressed in the horizontal pathway of the vervet monkey retina Sci Rep 2020-07-21 [PMID: 32694518] (ICC/IF, Monkey)

Goodwin G, Bove GM, Dayment B, Dilley A Characterizing the mechanical properties of ectopic axonal receptive fields in inflamed nerves and following axonal transport disruption Neuroscience 2019-12-21 [PMID: 31874241] (IHC-Fr, Rat)

Harb AA, Bustanji YK, Almasri IM, Abdalla SS Eugenol Reduces LDL Cholesterol and Hepatic Steatosis in Hypercholesterolemic Rats by Modulating TRPV1 Receptor Sci Rep 2019-09-30 [PMID: 31570745] (IHC-P, Rat)

Roa-Coria JE, Pineda-Farias JB, Barragan-Iglesias P et al. Possible involvement of peripheral TRP channels in the hydrogen sulfide-induced hyperalgesia in diabetic rats. BMC Neurosci 2019-01-03 [PMID: 30602386] (WB, Rat)

Liang Q, Lv X, Cai Q et al. Novobiocin, a Newly Found TRPV1 Inhibitor, Attenuates the Expression of TRPV1 in Rat Intestine and Intestinal Epithelial Cell Line IEC-6. Front Pharmacol. 2018-10-15 [PMID: 30374305] (ICC/IF, Rat)

Shanks J, Xia Z, Lisco SJ et al. Sympatho-excitatory response to pulmonary chemosensitive spinal afferent activation in anesthetized, vagotomized rats Physiol Rep 2018-06-01 [PMID: 29906340] (Rat)

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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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