NEUROMICS

P2X3 Data Sheet

Catalog Number:	GP10108	**Host:**	Guinea Pig
Product Type:	Whole serum	**Species Reactivity:**	Rat
Immunogen Sequence:	VEKQSTDSGAYSIGH-Corresponding to residues 383-397 of the carboxy-terminus of rat P2X3	**Format:**	Whole Serum (with 0.05% sodium azide). Sent in liquid form

Applications: Immunohistochemistry 1:100 – 1:1,000

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Storage: Store frozen. Aliquot as undiluted serum and immediately place at -20ºC. Serum may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20ºC. Repeated freeze/thaw cycles compromise the integrity of the antiserum.

Reference:

Jennifer C. Peleshok, Alfredo Ribeiro-da-Silva. Delayed reinnervation by nonpeptidergic nociceptive afferents of the glabrous skin of the rat hindpaw in a neuropathic pain model. The Journal of Comparative Neurology. Volume 519, Issue 1, pages 49–63, 1 January 2011.

C.K. Park, J.H. Bae, H.Y. Kim, H.J. Jo, Y.H. Kim, S.J. Jung, J.S. Kim, and S.B. Oh. Substance P Sensitizes P2X3 in Nociceptive Trigeminal Neurons. Journal of Dental Research, October 2010; 89: 1154 – 1159

James P. Lund,Somayeh Sadeghi,Tuija Athanassiadis, Nadia Caram Salas, François Auclair, Benoît Thivierge, Isabel Arsenault, Pierre Rompré, Karl-Gunnar Westberg, and Arlette Kolta.Assessment of the Potential Role of Muscle Spindle Mechanoreceptor Afferents in Chronic Muscle Pain in the Rat Masseter Muscle. PLoS One. 2010; 5(6): e11131. Published online 2010 June 15. doi: 10.1371/journal.pone.0011131.

Application Notes

Immunohistochemistry:

Antiserum was used on perfusion fixed tissue. Perfusion: 1) calcium-free Tyrode's solution, 2) paraformaldehyde-picric acid fixative, and 3) 10% sucrose in PBS as a cryo-protectant. Desired tissues were dissected and stored overnight in 10% sucrose in PBS.

Slide-mounted tissue sections were processed for indirect immunofluorescence. Slides were incubated with blocking buffer for 1 hour at room temperature. Primary antiserum was diluted with blocking buffer to the appropriate working concentration. Blocking buffer was removed and slides were incubated for 18-24 hours at 4ºC with primary antiserum. Slides were rinsed 3 times and then incubated with secondary antibodies for 1 hour at room temperature. Slides were again rinsed 3 times and coverslipped. Staining was examined using fluorescence microscopy.

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phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics.com

Image: P2X3 staining in rat DRG.

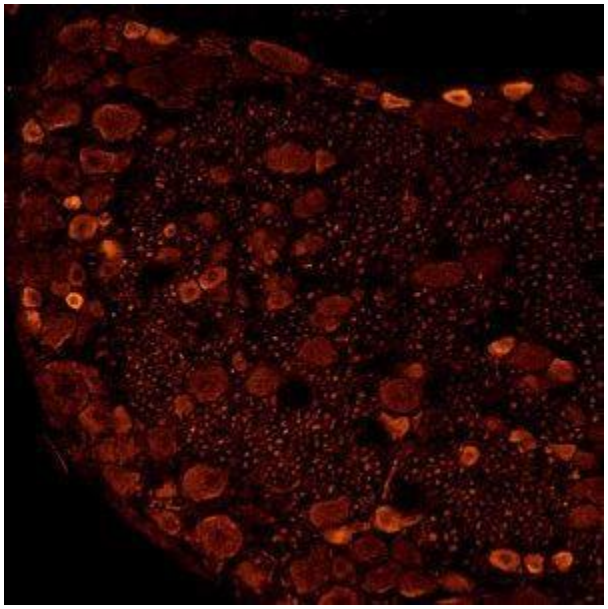
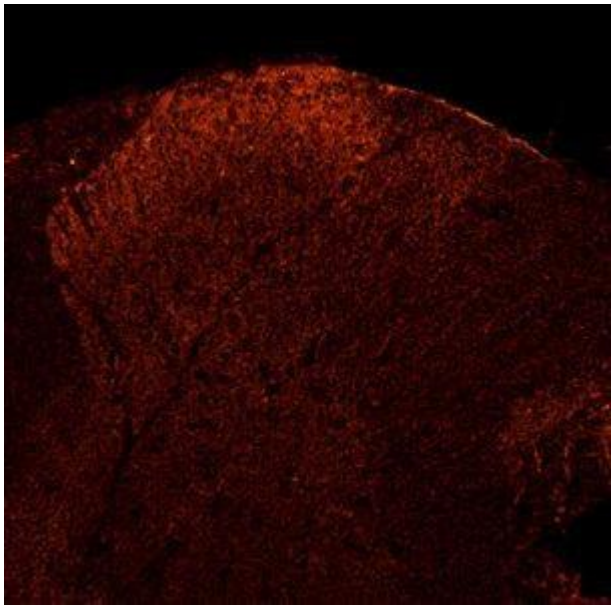


Image: P2X3 staining in Dorsal Horn.



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