

NEUROMICS



Neurokinin 1 (NK-1) Receptor

Data Sheet

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| Catalog Number: | RA25001 | Host: | Rabbit |
| Product Type: | Polyclonal antiserum | Species Reactivity: | Rat, Mouse, Guinea Pig |
| Immunogen Sequence: | Synthetic peptide at the c-terminus of rat NK-1 conjugated to bovine thyroglobulin. | Format: | Whole Serum in PBS with .05% Sodium Azide. Concentration of 1 mg/ml. |
| Applications: | Immunohistochemistry 1:1000 RA25001 NK1 can be used in immunohistochemical analysis on frozen and fixed tissue sections and permeabilized cells. Dilutions listed only as a recommendation. Optimal dilution should be determined by investigator. | | |
| Storage: | Store frozen. Aliquot as undiluted antisera and immediately place at -20°C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum. | | |
| References: | <ol style="list-style-type: none">1. Mantyh, P.W., et al, Inhibition of Hyperalgesia by Ablation of Lamina I Spinal Neurons Expressing the Substance P Receptor. <i>Science</i>. 278: 275-279, 1997.2. Mantyh, C.R. et al, Substance P Activation of Enteric Neurons in Response to Intraluminal Clostridium difficile Toxin A in the Rat Ileum. <i>Gastroenterology</i>. 111:1272-1280, 1996.3. Mantyh, P.W. et al, Rapid endocytosis of a G protein-coupled receptor: Substance P-evoked internalization of its receptor in the rat striatum in vivo. <i>PNAS</i>. 92: 2622-2626, 1995.4. Mantyh, P.W., et al, Receptor Endocytosis and Dendrite Reshaping in Spinal Neurons After Somatosensory Stimulation. <i>Science</i>. 268: 1629-1632, 1995.5. Mantyh, P.W. et al, Differential expression of two isoforms of the neurokinin-1 (substance P) receptor in vivo. <i>Brain Res</i>. 719: 8-13, 1996.6. Allen, B.J., et al, Noxious Cutaneous Thermal Stimuli induce a graded release of endogenous substance P in the Spinal Cord: Imaging Peptide Action in vivo. <i>J. of Neuroscience</i>. 17(15): 5921-5927, 1997.7. Vigna, S.R., et al, Characterization of Antibodies to the Rat Substance P (NK-1) Receptor and to a Chimeric Substance P Receptor Expressed in Mammalian Cells. <i>The J. of Neuroscience</i>. 14(2): 834-845, 1994. | | |

Application Notes

FOR RESEARCH USE ONLY

NEUROMICS REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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