



Catalog Number:	RA25002	Host:	Rabbit
Product Type:	Polyclonal antiserum	Species Reactivity:	Rat, Mouse
Immunogen Sequence:	Synthetic peptide at the c-terminus of rat NK-3 conjugated to bovine thyroglobulin.	Format:	Whole Serum in PBS with .05% Sodium Azide. Concentration of 1 mg/ml.
Applications:	RA25002 NK-3 can be used in immunohistochemical analysis on frozen and fixed tissue sections. Suggested working dilutions: * Immunohistochemistry (Frozen Sections) 1:500-1:1,000 Immunohistochemistry (Free-floating sections) 1:1,000-1:5,000 Western blot (-) *Dilutions listed 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.		

Application Notes

Description/Data:

The tachykinins belong to an evolutionary conserved family of peptide neurotransmitters that share the c-terminal sequence Phe-X-Gly-Leu-Met-NH₂ and have an established role in neurotransmission. The mammalian tachykinins include substance P, neurokinin A (NKA) and neurokinin B (NKB) which exert their effects by binding to specific receptors. Tachykinin peptides are important in the mediation of many physiological and pathological processes including inflammation, pain, migraine headache and allergy induced asthma. Three tachykinin receptor types have been characterized, NK-1, NK-2 and NK-3 which have preferential affinities for SP, NKA and NKB respectively. All three receptors share a high degree of sequence homology, have seven transmembrane spanning domains and similar signal transduction mechanisms (e.g. G-protein coupled activation of phospholipase C).

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. -V2/08/2012