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<b>Catalog Number:</b>	RA25008	<b>Host:</b>	Rabbit
<b>Product Type:</b>	Affinity Purified	<b>Species Reactivity:</b>	Rat, Mouse, Human, and Primate
<b>Immunogen Sequence:</b>	A synthetic peptide made to an internal sequence of amino acids of the mouse proNKB protein (~93% homology to the rat sequence).	<b>Format:</b>	Affinity Purified Antibody in [1.1 mg/ml] in a Tris-citrate/phosphate buffer, with 0.1% Sodium Azide. Concentration of 1 mg/ml.
<b>Applications:</b>	Immunohistochemistry - 1:500 to 1:1000 This antibody has been used on human hypothalamus and rat brain sections. Use of this antibody in immunohistochemistry demonstrates positive staining of the arcuate nucleus.  Dilutions listed only as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	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.		
<b>References:</b>	<ol style="list-style-type: none"><li>1. Marksteiner, J., et al. Distribution of Neurons Expressing Neurokinin B in Rat Brain: Immunohistochemistry and In situ Hybridization. <i>J. of Compar. Neur.</i> 317: 341-356 (1992)</li><li>2. Mileusnic, D., et al. Neurokinin-3 Receptor Distribution in Rat and Human Brain: An Immunohistochemical Study. <i>Neurosci.</i> 89: (4) 1269-1290 (1999)</li><li>3. Goubillon, ML., et al. Identification of Neurokinin B-Expressing Neurons as an Highly Estrogen-Receptive, Sexually Dimorphic Cell Group in the Ovine Arcuate Nucleus. <i>Endocr.</i> 141(11): 4218-4225 (2000)</li><li>4. Severini, C., et al. A Tachykinin-like Factor Increase Glutamate Toxicity in Rat Cerebellar Granule Cells. <i>Neuropharm.</i> 44: 117-124 (2003)</li></ol>		

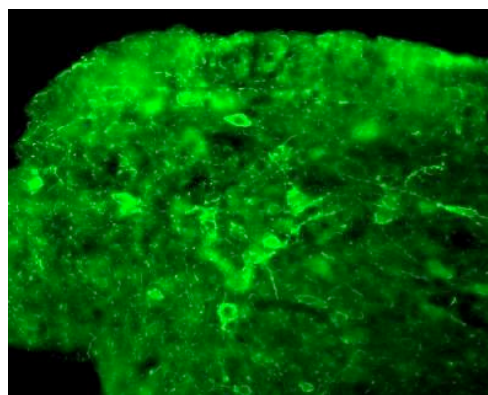
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### Application Notes

#### Description/Data:

proNeurokinin B (proNKB) is a neuropeptide belonging to the Tachykinin family, widely expressed in the Central Nervous System (CNS). It plays a neuromodulatory role in various brain functions.

*Image: proNKB staining in rat brain tissue.*



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