

Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

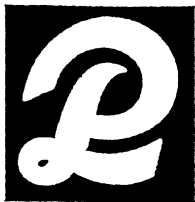
Tel: (800) 922-1516 • (650) 592-5392

Fax: (650) 595-4071

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RAT ANTI-SUBSTANCE P MONOCLONAL ANTIBODY

CATALOG NUMBER	T-1609
LOT NUMBER	
QUANTITY	100 µL
SPECIFICITY	Reacts with COOH-terminal end of Substance P. No cross-reactivity to Leu- or Met- enkephalin, somatostatin or beta-endorphin. Eledoisin 5%.
IMMUNOGEN	Substance P conjugated to BSA.
ISOTYPE	IgG _{2a}
APPLICATIONS	1:100 - 1:200 by immunohistochemistry on human brain. Optimal working dilutions must be determined by end user.
SPECIES REACTIVITIES	Animal and human (1-8).
FORMAT	Tissue culture supernatant.
PRESENTATION	Liquid containing 1 mg/mL thimerosal.
STORAGE/HANDLING	Maintain at -20°C in undiluted aliquots for up to 6 months. Avoid repeated freeze/thaw cycles.
REFERENCES	<ol style="list-style-type: none">1. Cuello, A.C., Glafre, G., Milstein, C. (1979) Detection of Substance P in the central nervous system by a monoclonal antibody. Proc. Natl. Acad. USA, 76:3532-3536.2. Cuello, A.C., Milstein, C., and Priestly, J. V. (1980). Use of monoclonal antibodies in immunocytochemistry with special reference to the central nervous system. Brain Res. Bull. 5:575-587.3. Cuello A.C. (1981). Monoclonal antibodies in neuroanatomical research. In: Cytochemical methods in neuroanatomy, V. Cahnpalay and S.L. Palay (Eds.).4. Cuello, A.C., Priestly, J.V., and Matthews, M.R. (1982): Localisation of Substance P in neuronal pathways. In the nervous system, Pitman, London. (Ciba Foundation Syposium 91) 55-83.5. Pioro, E.P., Hughes, J.T. and Cuello, A.C. (1985). Loss of Substance P immunoreactivity in the nucleus of the spinal trigeminal tract after intradural tumor compression of the trigeminal nerve. Neuroscience Letters 58:7-12.6. Mai, J.K., Stephens, P.H., Hopf, A., and Cuello, A.C., (1986). Substance P in human brain. Neuroscience 17:709-739.



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REFERENCES (Cont)

7. Macmillan, F.M. and Cuello, A.C. (1986). Monoclonal antibodies in neurochemistry: The state of the art. In: Neurochemistry: Modern methods and applications, 49-74.
8. Matthews, M.R., Connaughton, M., and Cuello, A.C. (1987). ultrastructure and distribution of Substance P Immunoreactive sensory collaterals in the guinea pig prevertebral sympathetic ganglia. J. Comp. Neurol. **258**:28-51.
9. Love, J.A. and Szebeni, K.S. (1999). Morphology and Histochemistry of the Rabbit Pancreatic Innervation. Pancreas **18**:53-64.
10. Trivino, A. et al.. (2002). Distribution and organization of the nerve fiber and ganglion cells of the human choroid. Anat. Embryol. **205**:417-430.

For research use only; not for use as a diagnostic.

Important Note

During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.