NEUROMICS

preproNPY (C-PON) Data Sheet

Catalog Number:	GP14107	**Host:**	Guinea Pig
Product Type:	Protein-G Purified	**Species Reactivity:**	Mouse, Human
Immunogen Sequence:	SDLLMRESTENAPRTR Corresponding to residues 76– 91 of rat preproneuropeptide Y	**Format:**	Liquid. (with 0.05% sodium azide). Concentration: 1 mg/ml

Applications: Immunohistochemistry 5-10 ug/ml

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

Storage: Maintain at +2-8°C for 3 months or at -20°C for longer periods. Stable for 1 year. *Avoid repeated freeze-thaw cycles.*

References:

M. Krauss, K. Langnaese, K. Richter, I. Brunk, M. Wieske, G. Ahnert-Hilger, R. W. Veh, G. Laube (2006) Spermidine synthase is prominently expressed in the striatal patch compartment and in putative interneurones of the matrix compartment. *Journal of Neurochemistry 97 (1) , 174–189 doi:10.1111/j.1471-4159.2006.03721.x*

Allen,J., Novotny,J., Martin,J. and Heinrich,G. Molecular stucture of mammalianneuropepide Y analysis by molecular cloning and computer-aided comparison with crystal structure of avian homologue. *Proc. Natl. Acad. Sci. U.S.A. 84 (8), 2532-2536 (1987).*

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.
Note: Sodium azide (NaN_3) interferes with peroxidase reactions and should not be used with peroxidase methodologies. If sodium azide is present in any steps of the staining procedure, the tissue should thoroughly be rinsed with sodium azide-free buffer before performing the peroxidase reaction.

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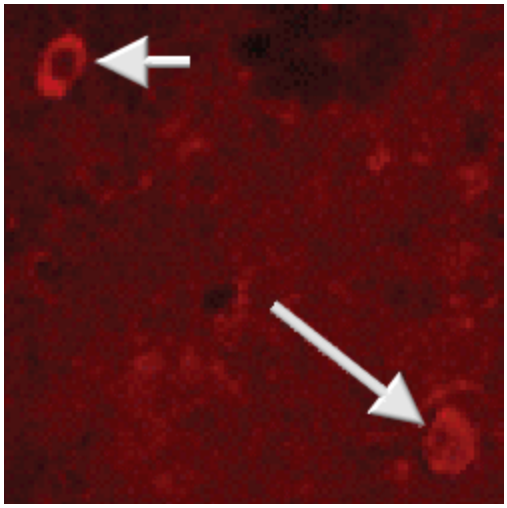
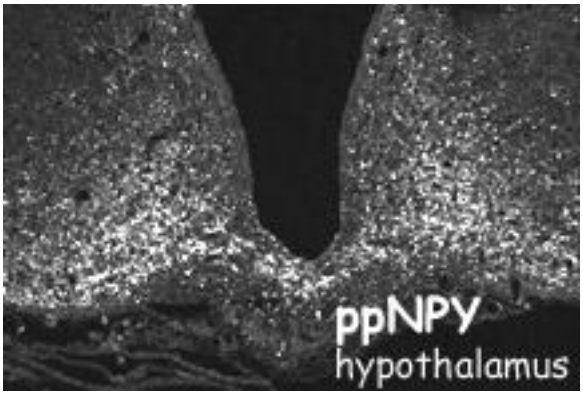
Neuromics Antibodies • 5325 West 74th Street, Suite 8 • Edina, MN 55439
phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics.com

Image: NPY staining of striatal rat interneurones (arrows).





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