

Datasheet for GP-T040

Guinea Pig Brain

Overview

Description:	Guinea Pig Brain - GP-T040
Item No.:	GP-T040
Size:	1 Each
Applications:	Functional Assay, IHC, Purification, WB
Origin:	Guinea Pig

Product Details

Species of Origin:	Guinea Pig
--------------------	------------

Application Details

Suggested Applications:	Functional Assay, IHC, Purification, WB (Based on references)
-------------------------	---

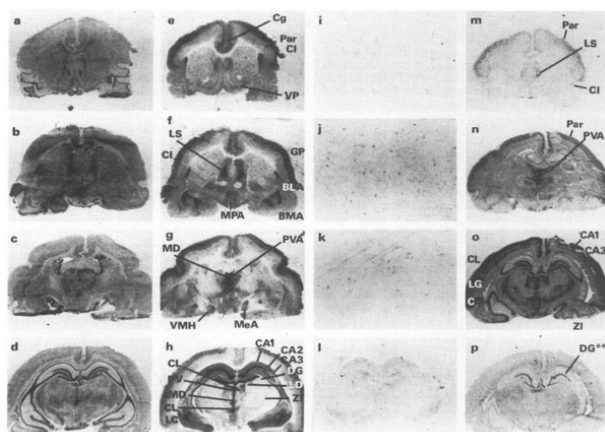
Formulation

Physical State:	Tissue
Sterility:	Non-sterile

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store tissue at -20° C or colder prior to use.
Expiration:	No expiration date is given for this product if properly stored.

Images



Immunohistochemistry

Distribution of 5-HT₇ receptor binding and mRNA in guinea-pig coronal forebrain sections dissected from guinea pig brains (p/n GP-T040). (a-d) Histological sections stained with 0.25% Cresyl violet. (e-h) Autoradiographs of total binding from same sections following incubation in 1.0 nM [³H]-5-carboxamidotryptamine ([³H]-5-CT) in the presence of (-)-cyanopindolol and sumatriptan. (i-l) Autoradiographs from sections adjacent to those in h-n, with non-specific binding defined in the presence of 1 μM 5-HT. (m-p) Autoradiographs following in situ hybridization using [³⁵S]-UTP-labelled antisense (m, n, o) and sense (p) strand riboprobes. Darker areas correspond to higher mRNA levels. Section in panel m from a different experiment from n-p. Hybridization in ventromedial hypothalamus is dense just lateral to suprachiasmatic nuclei (arrowhead). Hybridization using sense strand probe was not above background except in hippocampal dentate gyrus (DG**). Abbreviations are defined in Table 2.

Figure 5. PMID: 7647964.

References

- Lever JR et al. A selective sigma-2 receptor ligand antagonizes cocaine-induced hyperlocomotion in mice. *Synapse*. (2014)
- Page MM, Stuart JA. Activities of DNA base excision repair enzymes in liver and brain correlate with body mass, but not lifespan. *Age (Dordr)*. (2012)
- To ZP et al. Characterization and distribution of putative 5-HT₇ receptors in guinea-pig brain. *Br J Pharmacol*. (1995)
- Nock B et al. Extracti-GelTM D chromatography is a simple, efficient method for removing digitonin during receptor purification: application to the κ₁ opioid receptor. *J Neurosci Methods*. (1993)
- Moscatelli D et al. Mr 25,000 heparin-binding protein from guinea pig brain is a high molecular weight form of basic fibroblast growth factor. *Proc Natl Sci USA* (1987)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.