

## 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) |
|-------------------------|---------------------------------------------------------------|

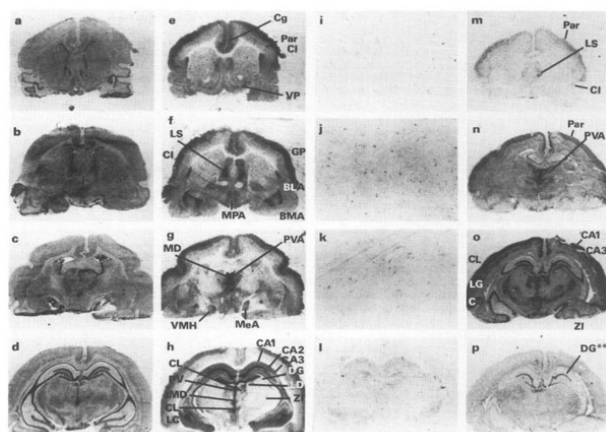
### Formulation

|                 |             |
|-----------------|-------------|
| 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-HT<sub>7</sub> 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 [<sup>3</sup>H]-5-carboxamidotryptamine ([<sup>3</sup>H]-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 [<sup>35</sup>S]-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

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- 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)
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- Nock B et al. Extracti-GelTM D chromatography is a simple, efficient method for removing digitonin during receptor purification: application to the κ<sub>1</sub> 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)

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