

ФИНАНСИРОВАНИЕ РАБОТЫ

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СОБЛЮДЕНИЕ ЭТИЧЕСКИХ СТАНДАРТОВ

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КОНФЛИКТ ИНТЕРЕСОВ

Автор сообщает об отсутствии конфликта интересов.

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Distribution of GABAergic Interneurons and GAT₁ GABA Transporter in Neocortical Layers in the Neonatal Period In Rats

L. I. Khozhai*

Pavlov Institute of Physiology RAS, St. Petersburg, 199034 Russia

**e-mail: astarta0505@mail.ru*

We studied the distribution of neurons containing GABA and the intensity of immunohistochemical labeling of the GAT₁ GABA transporter in different layers of the neocortex during the neonatal period in rats. At the initial stages of the neonatal period in layers II–III and VI, there is a high population of neurons containing GABA, which significantly decreases by the end of the neonatal period and inhibitory interneurons are distributed approximately evenly in all layers. By the end of the neonatal period, the level of GAT₁ immunolabeling significantly increases, which may indicate an increase in synaptic inhibitory neurotransmission

Keywords: GABA, GAT₁, GABAergic neurons, neocortex, neonatal period