Resource Summary Report

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Rat Brain Atlas of Paxinos and Watson

RRID:SCR_006369
Type: Tool

Proper Citation

Rat Brain Atlas of Paxinos and Watson (RRID:SCR_006369)

Resource Information

URL: http://www.callisto-science.org/NSI/Neuroscience_Image_Database/Rat_Brain_Atlas.html

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on May 27,2025. Compact 3rd edition of The Rat Brain Atlas of Paxinos & Watson published in 1997, it is the most widely used stereotaxic reference system for rat brain. The illustrations and nomenclature of the atlas have become standard tools used by almost all research neuroscientists who deal with anatomy, physiology, or function. It has been subsequently updated, with the 6th edition being the most recent. The 3rd edition is the most recent one available online for free. The program runs in Adobe Acrobat Reader.

Abbreviations: Rat Brain Atlas of Paxinos & Watson

Synonyms: Rat Brain Atlas - Paxinos & Watson, Rat Brain in Stereotaxic Coordinates

Resource Type: data or information resource, atlas, reference atlas

Keywords: rat, stereotaxic coordinate, brain, neuroanatomy

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Rat Brain Atlas of Paxinos and Watson

Resource ID: SCR_006369

Alternate IDs: nlx_152120

Record Creation Time: 20220129T080235+0000

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Ratings and Alerts

No rating or validation information has been found for Rat Brain Atlas of Paxinos and Watson.

No alerts have been found for Rat Brain Atlas of Paxinos and Watson.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Petrasek T, et al. (2021) mTOR inhibitor improves autistic-like behaviors related to Tsc2 haploinsufficiency but not following developmental status epilepticus. Journal of neurodevelopmental disorders, 13(1), 14.

Bekiari C, et al. (2020) Adult neurogenesis and gliogenesis in the dorsal and ventral canine hippocampus. The Journal of comparative neurology, 528(7), 1216.

Cucarián JD, et al. (2019) Physical exercise and human adipose-derived mesenchymal stem cells ameliorate motor disturbances in a male rat model of Parkinson's disease. Journal of neuroscience research, 97(9), 1095.

Dollas A, et al. (2019) Brain atlas of the African mole-rat Fukomys anselli. The Journal of comparative neurology, 527(11), 1885.

Protto V, et al. (2019) Electroacupuncture in rats normalizes the diabetes-induced alterations in the septo-hippocampal cholinergic system. Hippocampus, 29(10), 891.

Smith PH, et al. (2019) Evaluation of medial division of the medial geniculate (MGM) and posterior intralaminar nucleus (PIN) inputs to the rat auditory cortex, amygdala, and striatum. The Journal of comparative neurology, 527(9), 1478.

Jacques A, et al. (2018) Functional Neuronal Topography: A Statistical Approach to Micro Mapping Neuronal Location. Frontiers in neural circuits, 12, 84.

Badstuebner K, et al. (2017) Deep Brain Stimulation of Hemiparkinsonian Rats with Unipolar and Bipolar Electrodes for up to 6 Weeks: Behavioral Testing of Freely Moving Animals. Parkinson's disease, 2017, 5693589.

Hernández-González S, et al. (2017) A Cognition-Related Neural Oscillation Pattern, Generated in the Prelimbic Cortex, Can Control Operant Learning in Rats. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(24), 5923.

Leitermann RJ, et al. (2016) Neuropeptide Y input to the rat basolateral amygdala complex and modulation by conditioned fear. The Journal of comparative neurology, 524(12), 2418.

Holtz SL, et al. (2015) Morphology and connectivity of parabrachial and cortical inputs to gustatory thalamus in rats. The Journal of comparative neurology, 523(1), 139.

Mathiasen ML, et al. (2015) Insular projections to the parahippocampal region in the rat. The Journal of comparative neurology, 523(9), 1379.

Sánchez-Pérez AM, et al. (2015) Septal projections to nucleus incertus in the rat: bidirectional pathways for modulation of hippocampal function. The Journal of comparative neurology, 523(4), 565.

McGavigan AK, et al. (2015) L-cysteine suppresses ghrelin and reduces appetite in rodents and humans. International journal of obesity (2005), 39(3), 447.

Yetnikoff L, et al. (2015) Sources of input to the rostromedial tegmental nucleus, ventral tegmental area, and lateral habenula compared: A study in rat. The Journal of comparative neurology, 523(16), 2426.

Filli L, et al. (2014) Bridging the gap: a reticulo-propriospinal detour bypassing an incomplete spinal cord injury. The Journal of neuroscience : the official journal of the Society for Neuroscience, 34(40), 13399.

Saito S, et al. (2014) Diffusion tensor imaging of brain abnormalities induced by prenatal exposure to radiation in rodents. PloS one, 9(9), e107368.

Mu Y, et al. (2014) Inhibition of phosphodiesterase10A attenuates morphine-induced conditioned place preference. Molecular brain, 7, 70.