

The Rhesus Monkey Brain In Stereotaxic Coordinates 2nd Edition

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The Rhesus Monkey Brain In

The Rhesus Monkey Brain in Stereotaxic Coordinates is the most comprehensive and accurate atlas of the monkey brain currently available. The second edition of this classic book is a complete revision, featuring many improvements and upgrades.

The Rhesus Monkey Brain in Stereotaxic Coordinates ...

Description. Paxinos and Petrides' The Rhesus Monkey Brain in Stereotaxic Coordinates is the most comprehensive and accurate atlas of the monkey brain currently available. The fourth edition of this classic book will be a complete revision, featuring many improvements and upgrades.

Paxinos and Petrides' The Rhesus Monkey Brain in ...

Chinese scientists insert human brain gene into monkeys, spark ethical debate Some worry that such research blurs the line between humans and animals. A rhesus macaque that was rescued from a...

Chinese scientists insert human brain gene into monkeys ...

Brain uptake is expressed per 100 grams brain, because the brain weight in the Rhesus monkey is 100 grams (Bourne, 1975). The peak brain uptake of fallypride, a lipid soluble small molecule, in the Rhesus monkey is 4% ID/brain (Christian et al, 2009). Therefore, the brain uptake of the HIRMAb-ASA fusion protein in the Rhesus monkey is comparable to the brain uptake of a lipid soluble small molecule.

Pharmacokinetics and Brain Uptake in the Rhesus Monkey of ...

For sample dissection, The Atlas of the Human Brain [Mai et al., 2016] and The Rhesus Monkey Brain [Paxinos et al., 2009] were used to locate the areas of interest in human and macaque brains ...

The Rhesus Monkey Brain in Stereotaxic Coordinates ...

In Monkey Brain, Seeing Human Parallels The rhesus macaque monkey (*Macaca mulatta*) diverged evolutionarily from humans about 29 million years ago. (Image: © Mazzzur, Shutterstock) Humans and...

In Monkey Brain, Seeing Human Parallels | Theory of Mind ...

Datasets -> Medium Resolution Rhesus Atlas [*Macaca Mulatta* General Info] The atlas consists of views of the external surfaces of *mulatta* brains and images of the Nissl-stained histology of three serially sectioned brains. All of the brains were from adult monkeys, perfused with paraformaldehyde.

Rhesus Atlas - BRAIN ATLAS, BRAIN MAPS, BRAIN STRUCTURE ...

It is well known that dopamine (DA) is critical for reward, but the precise role of DA in reward remains uncertain. The aim of this study was to determine what percentage of dopaminergic neurons in the primate brain is required for the expression of conditioned reward by measuring the performance of DA-deficient rhesus monkeys in a morphine-induced conditioned place preference (CPP) paradigm.

Severe dopaminergic neuron loss in rhesus monkey brain ...

The present work was designed to compare the BBB transport in vivo of GDNF and the HIR MAb-GDNF fusion protein. Owing to species specificity of HIR MAb binding to the insulin receptor, the present studies were performed in the adult rhesus monkey. The brain uptake of human IgG1 was determined to assess the uptake of a brain plasma volume marker.

Comparison of Blood-Brain Barrier Transport of Glial ...

Callosally projecting neurons in the macaque monkey V1/V2 border are enriched in nonphosphorylated neurofilament protein - Volume 14 Issue 5 - Patrick R. Hof, Leslie G. Ungerleider, Michelle M. Adams, Maree J. Webster, Ricardo Gattass, Dana M. Blumberg, John H. Morrison

Callosally projecting neurons in the macaque monkey V1/V2 ...

Nonviral gene transfer to the brain of adult Rhesus monkeys is possible with a single intravenous administration of plasmid DNA that is encapsulated in the interior of pegylated immunoliposomes, which are targeted across membrane barriers in vivo with a monoclonal antibody to the human insulin receptor.

Decline in Exogenous Gene Expression in Primate Brain ...

Pharmacokinetics and brain uptake in the rhesus monkey of a fusion protein of arylsulfatase a and a monoclonal antibody against the human insulin receptor Metachromatic leukodystrophy (MLD) is a lysosomal storage disorder of the brain caused by mutations in the gene encoding the lysosomal sulfatase, arylsulfatase A (ASA).

Pharmacokinetics and brain uptake in the rhesus monkey of ...

Harry Frederick Harlow (October 31, 1905 – December 6, 1981) was an American psychologist best known for his maternal-separation, dependency needs, and social isolation experiments on rhesus monkeys, which manifested the importance of caregiving and companionship to social and cognitive development. He conducted most of his research at the University of Wisconsin–Madison, where humanistic ...

Harry Harlow - Wikipedia

Radial glial cells (epithelial cells of Ramón y Cajal) impregnated by a modified del Rio Hortega rapid Golgi method were studied in the occipital lobes of 38 rhesus monkeys from embryonic day 48 (E48) to birth which occurs at E165 and in 27 postnatal animals to day 365 (P365). Some radial glial cells are already recognized at E48 by their bipolar shape and elongated radial fiber, which ...

A golgi study of radial glial cells in developing monkey ...

Dr. Stynner argues the knowledge gained from messing with monkey brains in this way was not enough to go through with it. ... They argue the rhesus monkeys used in the experiments are distant ...

China's human-like monkeys spark concerns | Fox News

Early viral replication in the brain of SIV-infected rhesus monkeys. Am J Pathol 1991; 139:1273-1280. 26. Lane JH, Sasseville VG, Smith MO, Vogel P, Pauley DR, Heyes MP, Lackner AA. Neuroinvasion by simian immunodeficiency virus coincides with increased numbers of perivascular macrophages/microglia and intrathecal immune activation. J ...

Early antiretroviral treatment prevents the development of ...

Electrolytic lesions were made in the anterior hypothalamus of 8 prepubertal female rhesus monkeys, aged 1.1-1.7 years. Six unoperated females served as controls. No effects were found of the lesions upon age and body weight at menarche or at first ovulation, as estimated by blood levels of progesterone ...

Anterior hypothalamic lesions and pubertal development in ...

In 1959, fresh from co-reporting that the mouse polyoma virus could cause cancer in other animals, Eddy tested the rhesus monkey kidney substrate used to make polio vaccine. She injected 154 newborn hamsters with extracts of the cell cultures: 109 developed tumours.

Monkeys, viruses, and vaccines - The Lancet

This approach allowed us to isolate up to 1,800 neurons (units) per animal and simultaneously record the extracellular activity of close to 500 cortical neurons, distributed across multiple...

Chronic, wireless recordings of large-scale brain activity ...

An absolute must for all neuroscientists navigating the rhesus monkey brain." Dr. Leslie G. Ungerleider, NIMH-NIH "Our ability to decipher the intricate circuitry and function of the primate brain depends upon accurately localizing experimental data to particular spatial coordinates and to particular architectonic subdivisions revealed by ...

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