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Rhesus monkey brain development during late infancy and ...

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.

Rhesus Monkey - BRAINMUSEUM.ORG

The Rhesus Monkey Brain in Stereotaxic Coordinates is the most comprehensive, detailed atlas of the monkey brain ever constructed. The first chapter, "Photographic

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and Diagrammatic Atlas of the Rhesus Monkey Brain," presents 151 plates illustrating the subcortex and parts of the cortex in high magnification, and 151 corresponding diagrams complementing each image.

Gene transfer to the rhesus monkey brain using SV40 ...

McConnell Brain Imaging Centre. We present an unbiased standard rhesus macaque monkey magnetic resonance imaging template brain volume that offers a common stereotaxic reference frame to localize anatomical and functional information in an organized and

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reliable way for comparison across individual rhesus monkeys and studies.

Scalable Brain Atlas - NeuroMaps Atlas
Currently, the high resolution images of coronal sections of the rhesus monkey brain and the lower resolution atlas made from the same sections are fully labeled using these abbreviations and labeling of the sagittal and horizontal series of sections is currently underway. 1-2: cortical areas 1 & 2
...

Monkey - BRAINMAPS.ORG - BRAIN ATLAS, BRAIN

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MAPS, BRAIN ...

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.

rhesusatlas | Duke CIVM

The rhesus macaque (*Macaca mulatta*) is a species of Old World monkey. It is listed as least concern in the IUCN Red List of Threatened Species in view of its wide distribution, presumed large population, and

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its tolerance of a broad range of habitats. It is native to South, Central, and Southeast Asia and has the widest geographic range of all non-human primates, occupying a great diversity of ...

High-throughput whole-brain mapping of rhesus monkey at ...

The organization, complexity and size of the monkey brain are closer to the human brain, and assessing the effectiveness gene transfer in rhesus macaques may provide important information with ...

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The Rhesus Monkey Brain In 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.

Chinese scientists insert human brain gene into monkeys ...

Whole-brain mesoscale mapping of primates has been hindered by large brain size and the

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relatively low throughput of available microscopy methods. Here, we present an integrative approach that combines primate-optimized tissue sectioning and clearing with ultrahigh-speed, large-scale, volumetric fluorescence microscopy, capable of completing whole-brain imaging of a rhesus monkey at $1 \mu\text{m} \times 1 \dots$

"The Rhesus Monkey Brain in Stereotaxic Coordinates" by ...

In the rhesus monkey, the CC interconnects the frontal, parietal, temporal, and occipital cortices with more than 56 million

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callosal fibers (LaMantia and Rakic 1990b). Using light and electron microscopy LaMantia and Rakic (1990a , 1990b) described a mosaic-like fiber system in the CC of the rhesus macaque and a region-specific organization into 10 subregions along the anterior-posterior axis.

The Rhesus Monkey Brain in Stereotaxic Coordinates ...

A group of Chinese scientists has implanted human brain genes into 11 rhesus monkeys.

(Photo : thor Razan Ahmed) Rhesus Monkey Genetic engineering, being a direct

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manipulation of a living organism ...

11 Rhesus Monkeys were Genetically Engineered to Have ...

Rhesus monkeys and other Old World monkeys can be a useful model for studying the human brain. Their brains resemble humans' brains much more closely than those of other common research animals ...

Rhesus Monkey and Human Share a Similar Topography of the ...

Early brain development is a complex and rapid process, the disturbance of which may

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cause the onset of brain disorders. Based on longitudinal imaging data acquired from 6 to 16 months postnatal, we describe a systematic trajectory of monkey brain development during late infancy, and demonstrate the influence of phencyclidine (PCP) on this trajectory.

The Rhesus Monkey Brain in Stereotaxic Coordinates ...

From the Back Cover The Rhesus Monkey Brain in Stereotaxic Coordinates is the most comprehensive, detailed atlas of the monkey brain ever constructed. The first chapter, "Photographic and Diagrammatic Atlas of the

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Rhesus Monkey Brain," presents 151 plates illustrating the subcortex and parts of the cortex in high magnification, and 151 corresponding diagrams complementing each image.

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

Rhesus macaques are Asian, Old World monkeys. Their natural range includes Afghanistan, Pakistan, India, Southeast Asia, and China. A few troops of introduced rhesus macaques now live wild in Florida.

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The Rhesus Monkey Brain in Stereotaxic Coordinates ...

The brain of a single rhesus macaque (*Macaca mulatta*) has been segmented and mapped from a high-resolution MRI and is available on the Web. The model is a fully integrated, stereotaxic atlas of the cortex, subcortex, brainstem, and cerebellum. It can be used as 486 coronal, 346 horizontal, or 191 parasagittal 150-um thick 'sections'.

BIC - The McConnell Brain Imaging Centre:
Rhesus

The rhesus macaque (*Macaca mulatta*) is the

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most widely used non-human primate for modeling the structure and function of the brain. Brain atlases, and particularly those based on magnetic resonance imaging (MRI), have become important tools for understanding normal brain structure, and for identifying structural abnormalities resulting from disease states, exposures, and/or aging.

Rhesus macaque - Wikipedia

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

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macaque brains ...

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

Rhesus Monkey *Macaca mulatta*. Head and body length is up to 764 mm and tail length is 25 percent of that. Macacahave been found to breed between the species without any compromise to the offspring's fertility.

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