



The Sodium Pump

By Bamberg, Ernst / Schoner, Wilhelm

Book Condition: New. Publisher/Verlag: Springer, Berlin | Structure Mechanism, Hormonal Control and its Role in Disease | The sodium of animal cell membranes converts the chemical energy obtained from the hydrolysis of adenosine 5'-triphosphate into a movement of the cations Na^+ and K^+ against an electrochemical gradient. The gradient is used subsequently as an energy source to drive the uptake of metabolic substrates in polar epithelial cells and to use it for purposes of communications in excitable cells. The biological importance of the sodium pump is evident from the fact that between 20-70% of the cell's metabolic energy is consumed for the pumping process. Moreover, the sodium pump is an important biological system involved in regulatory processes like the maintenance of the cell's and organism's water metabolism. It is therefore understandable that special cellular demands are handled better by special isoforms of the sodium pump, that the expression of the sodium pump and their isoforms is regulated by hormones as is the activity of the sodium pump via hormone-regulated protein kinases. Additionally, the sodium pump itself seems to be a receptor for a putative new group of hormones, the endogenous digitalis-like substances,...



READ ONLINE
[1.84 MB]

Reviews

Complete information for publication fanatics. It is actually really intriguing through reading period of time. I am happy to explain how this is actually the greatest publication I actually have read inside my own daily life and may be the finest ebook for possibly.

-- **Ms. Heidi Rath**

I just started out looking over this ebook. it was written extremely perfectly and useful. You are going to like the way the blogger publish this book.

-- **Micaela Kutch**

You May Also Like



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



The Voyagers Series - Africa: Book 2 (Paperback)

Voyagers Series, Inc., United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching reading that provides students with a stimulating,...



Riding the Yellow Trolley Car

The Viking Press. Hardcover. Book Condition: New. 0670842117 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!!...



Read Write Inc. Phonics: Yellow Set 5 Storybook 7 Do We Have to Keep it? (Paperback)

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 211 x 101 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read Write Inc. Set 1 and 2 sounds....



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications . (Paperback)

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...