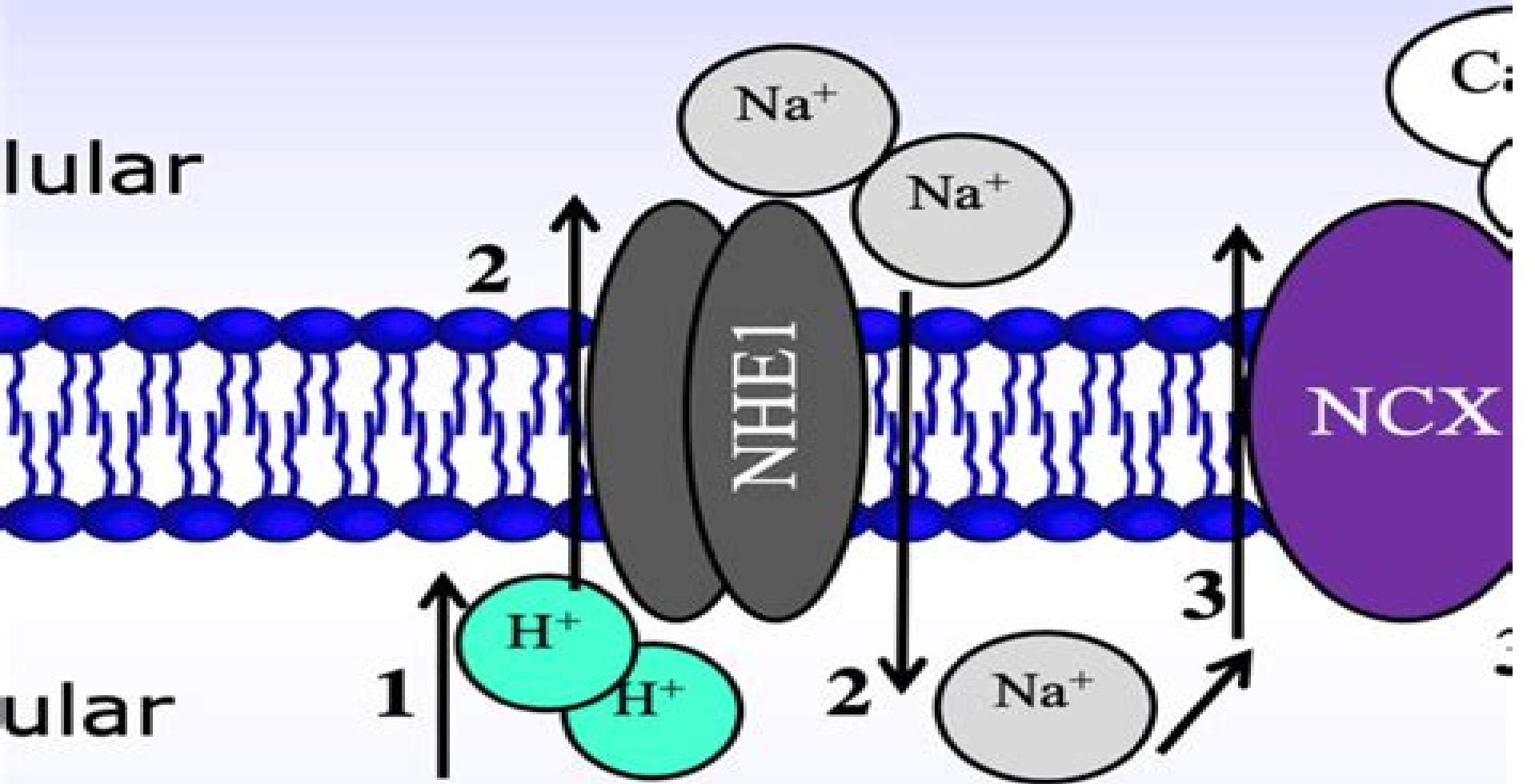
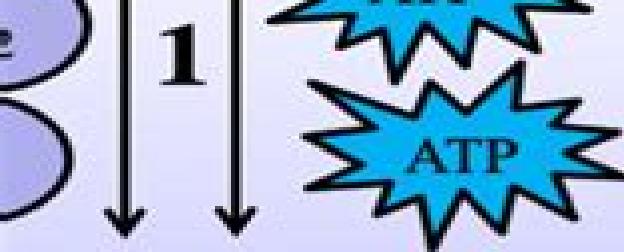


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Na H Exchanger

Marc Alan Post

Na H Exchanger:

The Sodium-Hydrogen Exchanger Morris Karmazyn, Metin Avkiran, Larry Fliegel, 2012-12-06 I am extremely honored and pleased to have the opportunity to write a few introductory words for this timely volume on Na It exchange This is a field of investigation that I entered into by challenge and necessity embraced with passion and fmally left in my quest for new discoveries in growth control Ten years one third of my scientific life has been devoted to uncovering the mysteries of intracellular pH PH regulation with respect to growth factor action I got started on this new topic in 1980 when I heard a rather provocative hypothesis presented by Enrique Rozengurt at an ICN UCLA Keystone meeting on Cell Surface and Malignancy He showed that all mitogens induced amiloride sensitive Na entry into resting cells and proposed that if a compound stimulates Na influx it could be a mitogen In support of his proposal Enrique reported that the amphipathic polypeptide mellitin which induced Na influx was indeed mitogenic for 3T3 cells This was only correlation at this stage However I was fascinated by this talk I immediately approached Enrique to inform him of my skepticism about this beautiful story and to indicate that I would only be convinced when I succeeded in isolating mutant fibroblasts lacking the amiloride sensitive Na transporter Good luck was his response

The Na+/H+ Exchanger Larry Fliegel, 1996

Molecular Biology of Membrane Transport Disorders Stanley G. Schultz, 1996-06-30

The scope and depth of this book are excellent with in depth reviews that will be of benefit to both novice and expert alike An excellent text worthy of a place on any self respecting membranologists book shelf and I recommend it highly Trends in Biochemical Sciences Molecular Biology of Membrane Transport Disorders comprises the first compilation of papers on the important membrane transporters and ion channels with an emphasis on membrane transport disorders Internationally recognized leaders in the field provide a thorough understanding of the pathogenesis of clinical conditions that involve derangements in membrane transport processes at the molecular level This work is a valuable resource for medical and graduate students and researchers in the biomedical sciences as well as academic physicians in cardiology nephrology neurology and gastroenterology

Seldin and

Giebisch's The Kidney Robert J. Alpern, Michael J. Caplan, Orson W. Moe, 2012-12-31 A classic nephrology reference for over 25years Seldin and Giebisch s The Kidney is the acknowledged authority on renal physiology and pathophysiology In this 5th edition such new and powerful disciplines as genetics and cell biology have been deployed to deepen and widen further the explanatory framework Not only have previous chapters been extensively updated but new chapters have been added to incorporate additional disciplines Individual chapters for example now provide detailed treatment of the significance of cilia the role of stem cells is now given special consideration Finally there has been a significant expansion of the section of pathophysiology incorporating the newer findings of cell biology and genetics If you research the development of normal renal function or the mechanisms underlying renal disease Seldin and Giebisch s The Kidney is your number one source for information Offers the most comprehensive coverage on the market of fluid and electrolyte regulation and dysregulation in

85 completely revised chapters and 10 new chapters Includes 4sections 62 chapters devoted to regulation and disorders of acid base homeostasis and epithelial and nonepithelial transport regulation Includes foreword by Donald Seldin and Gerhard Giebisch world renowned names in nephrology and editors of the previous three editions Current Topics in Membranes and Transport ,1986-06-17 Current Topics in Membranes and Transport Cellular and Molecular Physiology of Cell

Volume Regulation Kevin Strange,1993-11-18 The ability to regulate cell volume in the face of osmotic challenge is one of the most fundamental of cellular homeostatic mechanisms Cellular and Molecular Physiology of Cell Volume Regulation is an integrated collection of articles describing key aspects of cell volume control The book has been organized around concepts and cellular molecular processes rather than around mechanisms of volume regulation in specific cell types in order to make it more accessible to a multidisciplinary audience of students instructors and researchers Function and Regulation of NA+/H+ Exchanger Isoform 1 in Neuronal Ischemic Damage Jing Luo,2007 Na⁺-H⁺ Antiporter Marc Alan Post,1992

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