

Biochemical pathways: an atlas of biochemistry and molecular biology

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Abstrak

Covering a wide range of subject matter, including biochemistry, molecular and cell biology, medicine, chemistry, and allied health, Biochemical Pathways is a full-color, easy-to-use resource for students and professionals. This information-packed reference features a unique summary of biochemical pathways based on the well-known Biochemical Pathways chart. Included is descriptive information about properties such as enzymes, chemicals, proteins, and DNA, all of which act together to create an elaborate chain that drives all biological functions. Completely updated, this new edition continues to play a valuable role in this important scientific field"--

"Biochemical Pathways: An Atlas of Biochemistry and Molecular Biology, Second Edition, explains the multi-step chemical reactions (for example, carbohydrate metabolism pathways) that occur in biological systems (e.g., within cells and organelles). The chemical reactions, location within the cell, structure and function of proteins and nucleic acids (including the enzymes), small molecules (carbohydrates, amino acids, lipids, steroids, nucleotides) involved, vitamins and cofactors present, storage of information in DNA and translation into proteins, viruses infecting systems, various protein mechanisms, respiration processes, cellular communication and regulation, transport, defense, and blood coagulation are all discussed in detail