

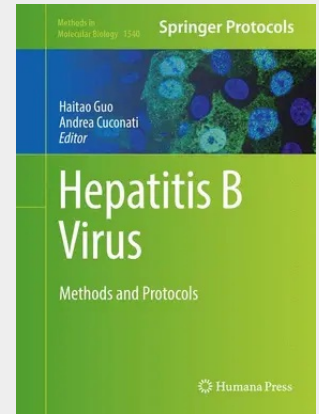
Hepatitis B Virus

Methods and Protocols

This volume serves as a reference for the dissemination of advances made in the study of Hepatitis B Virus (HBV). *Hepatitis B Virus: Methods and Protocols* details protocols and techniques ranging from cell culture studies to in vivo and clinical immunology. The chapters in this book discuss treatments of in vitro infection systems, analysis and quantification of cccDNA and its mutations; in vitro polymerase activity assays; cellular trafficking of core proteins; intracellular calcium metabolism; detection, cloning, and sequencing of HBV markers; and new strategies aimed at exploiting new mechanisms for drug discovery. The book also covers classical methods for resolution of extracellular viral particles by native gel electrophoresis, and methods for detecting HBV antigens in drug discovery. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls.

Cutting-edge and comprehensive, *Hepatitis B Virus: Methods and Protocols* is a valuable tool for researchers to use toward their advanced studies in HBV.

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