

Apoptosis

Methods and Protocols

Second Edition

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The ability to detect and quantify apoptosis, to understand its biochemistry, and to identify its regulatory genes and proteins is crucial to biomedical research. In *Apoptosis: Methods and Protocols, Second Edition*, expert researchers describe the techniques to best investigate the critical steps involved in the apoptotic process. Presented from several different research perspectives, the volume contains sections covering detection of apoptosis, detection of non-apoptotic cell death, modifications of apoptotic proteins during apoptosis, the analysis of its major regulators, as well as analysis of apoptosis in different organs and in model organisms. 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 protocols, and notes on troubleshooting and avoiding known pitfalls.

Comprehensive and cutting-edge, *Apoptosis: Methods and Protocols, Second Edition* constitutes a key technical reference to the significant methodologies used in the field, and offers beginners and experienced researchers powerful tools to illuminate the phenomena of programmed cell death.

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