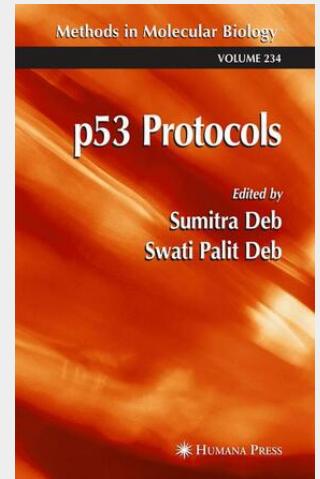


## p53 Protocols

---

Since the discovery of p53 as a tumor suppressor, numerous methods have evolved to reveal the unique structural features and biochemical functions of this protein. Several unique properties of p53 posed a challenge to understanding its normal function in the initial phase of its research. The low levels of p53 in normal cells, its stabilization under situations of genotoxic stress, induction of growth arrest, and apoptosis with stabilization of the protein, obstructed the visibility of its normal, unmutated function. The property of p53 that can sense a promoter and transactivate or inhibit is still not well understood. It is still not known whether it is the absence of the protein that causes tumorigenesis, or if its mutants have a dominant role in inducing cancer. p53 Protocols comprises eighteen chapters for the study of the diverse properties of p53 and related proteins. The methods included are invaluable for delineating the function of other proteins that may function as tumor suppressors or growth suppressors. The chapters are not presented in any schematic order, for the importance and diversity of the functions of p53 make it impossible to organize them suitably. We have made a sincere effort to collect the methods most useful to those investigators working on tumor suppressors or growth suppressors. The purpose of p53 Protocols is not only to provide investigators with methods to analyze similar biochemical functions, but also to familiarize them with the associated problems that arose during the course of investigations.

Since the discovery of p53 as a tumor suppressor, numerous methods have evolved to reveal its unique structural features and biochemical functions. In p53 Protocols, Sumitra and Swati Palit Deb have assembled an indispensable collection of novel techniques that have proven most useful for studying the physiological properties of p53 both in vitro and in vivo. Described by leading basic and clinical researchers who have successfully used the methods, the techniques provide proven solutions to problems in studying the purification, target identification, gene expression, quantitation, interaction, signaling, transactivation, and transrepression of p53. The methods are also useful for delineating the functions of other proteins that may act as tumor or growth suppressors. Each technique includes step-by-step instructions, troubleshooting notes, a theoretical review, and discussion of associated problems that might arise during the course of investigation. Special effort has been made to discuss problems and their solutions to help ease the learning curve when standardizing a new method. Diverse and highly practical, p53 Protocols offers both beginning and experienced researchers in cancer biology a gold-standard compendium of readily reproducible techniques for studying p53 and related proteins.



**106,99 €**  
99,99 € (zzgl. MwSt.)

*Lieferfrist: bis zu 10 Tage*

---

**Artikelnummer:** 9781588291066  
**Medium:** Buch  
**ISBN:** 978-1-58829-106-6  
**Verlag:** Humana Press  
**Erscheinungstermin:** 20.06.2003  
**Sprache(n):** Englisch  
**Auflage:** 2003  
**Serie:** Methods in Molecular Biology  
**Produktform:** Gebunden  
**Gewicht:** 1340 g  
**Seiten:** 280  
**Format (B x H):** 157 x 235 mm

