

Biomedical Science, Immunology

Recent evidence proving the molecular link between unchecked, chronic inflammation and cancer implicates transcription factor NF-kappaB as a key factor in inhibiting apoptosis and promoting cell proliferation. Since its initial identification 20 years ago as a regulator in one small part of the immune response, NF- κ B is proving to be the most protean of all transcription factors. Today, NF- κ B is known to function in most cell types as a crucial regulator of a very large number of inducible genes.

With contributions from leading authorities involved with pioneering research, the **Handbook of Transcription Factor NF-kappaB** brings together a range of studies that only recently appeared in industry literature. The text introduces the novice to the complexities in the NF- κ B system and delves into research concerning many biological systems. The book culminates in a discussion of current efforts to develop therapies aimed at inhibiting the aberrant activity of NF- κ B in a number of chronic diseases.

FEATURES

- Discusses innate and adaptive immunity, liver integrity, and nervous system development
- Provides insight into the formation of hair, skin, teeth, and many other aspects of the developing vertebrate body
- Addresses the pathological effects of excess NF- κ B on diseases related to chronic inflammation, such as heart disease, cancer, and tumor proliferation
- Offers case studies and histories to fully explain the background and context of the principles being discussed
- Examines in detail the mechanisms that regulate NF- κ B in health and disease

Handbook of Transcription Factor NF-kappaB explains how the evolution of our understanding leads to future insights into gene regulation and signal transduction.



CRC Press

Taylor & Francis Group
an informa business

www.taylorandfrancisgroup.com

6000 Broken Sound Parkway, NW
Suite 300, Boca Raton, FL 33487

270 Madison Avenue
New York, NY 10016

2 Park Square, Milton Park
Abingdon, Oxon OX14 4RN, UK

2794

ISBN 0-8493-2794-6

90000



9 780849 327940

www.crcpress.com