

# Contents

<b>Understanding the Logic of I<math>\kappa</math>B:NF-<math>\kappa</math>B Regulation in Structural Terms</b> . . . . .	1
Tom Huxford, Alexander Hoffmann and Gourisankar Ghosh	
<b>NF-<math>\kappa</math>B/Rel Proteins and the Humoral Immune Responses of <i>Drosophila melanogaster</i></b> . . . . .	25
Sandhya Ganesan, Kamna Aggarwal, Nicholas Paquette and Neal Silverman	
<b>Specialized Chromatin Patterns in the Control of Inflammatory Gene Expression</b> . . . . .	61
Gioacchino Natoli	
<b>IKK Regulation and Human Genetics</b> . . . . .	73
Gilles Courtois and Alain Israël	
<b>Control of NF-<math>\kappa</math>B Activity by Proteolysis</b> . . . . .	97
Véronique Baud and Emmanuel Derudder	
<b>NF-<math>\kappa</math>B and Innate Immunity</b> . . . . .	115
Anurupa Dev, Shankar Iyer, Bahram Razani and Genhong Cheng	
<b>NF-<math>\kappa</math>B and Mucosal Homeostasis</b> . . . . .	145
Lars Eckmann and Andrew S. Neish	
<b>IKK- and NF-<math>\kappa</math>B-Mediated Functions in Carcinogenesis</b> . . . . .	159
Melek C. Arkan and Florian R. Greten	
<b>Macrophages and NF-<math>\kappa</math>B in Cancer</b> . . . . .	171
Toby Lawrence	

<b>NF-<math>\kappa</math>B in Liver Cancer: The Plot Thickens . . . . .</b>	<b>185</b>
Shlomi Finkin and Eli Pikarsky	
<b>NF-<math>\kappa</math>B as a Target for Oncogenic Viruses . . . . .</b>	<b>197</b>
Shao-Cong Sun and Ethel Cesarman	
<b>Inhibition of NF-<math>\kappa</math>B Signaling as a Strategy in Disease Therapy . . . . .</b>	<b>245</b>
Thomas D. Gilmore and Michael R. Garbati	
<b>Index . . . . .</b>	<b>265</b>

NF- $\kappa$ B in Health and Disease

Karin, M. (Ed.)

2011, VIII, 268 p., Hardcover

ISBN: 978-3-642-16016-5