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2.2.4 p40phox2.2.5 Rac; 2.2.6 Rap1A; 2.3 Oxidase Protein Binding Interactions; 2.3.1 Flavocytochrome b-p47phox interactions; 2.3.2 p40phox-p47phox-p67phox interactions; 2.3.3 Rac interactions; 2.4 Model of NADPH Oxidase Assembly; 2.5 Oxidant Production; 2.5.1 Superoxide anion (O2 -); 2.5.2 Hydrogen peroxide (H2O2); 2.5.3 Hypochlorous acid (HOCl); 2.5.4 Hydroxyl radical (HO); 2.5.5 Singlet oxygen (1O2 *); 2.5.6 Nitric oxide (NO) and peroxynitrite (ONOO-); 2.7 Summary; Acknowledgments; References
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4.5.5 PECAM-1

Sommario/riassunto

This is a third edition of the popular book, which presents an overview of the most recent findings in the biology of neutrophils. These cells are critically important for protection against bacterial and viral infections and have been recently demonstrated to be a major contributor to tumor associated immune suppression. In addition, neutrophils represent a unique model for studying fundamental questions of cellular biochemistry and molecular biology. This monograph provides a detailed description of signal transduction, generation of reactive oxygen, and mechanisms of migration and death of