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Titolo	Autophagy at the Cell, Tissue and Organismal Level / / by Eleftherios Karanasios, Nicholas T. Ktistakis
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ISBN	3-319-33145-0
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (107 p.)
Collana	SpringerBriefs in Cell Biology, , 2625-3534
Disciplina	570
Soggetti	Cytology Immunology Biochemistry Cell Biology Animal Biochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Autophagy (Autophagia) from 1860 to 1963 -- History of Autophagy after 1963 -- Signalling in Autophagy -- Autophagosome Formation -- Physiological Role of Autophagy and Implications in Disease -- Studying autophagy: List of useful antibodies produced via a community effort.
Sommario/riassunto	This book provides an expert summary of autophagy, a relatively new but rapidly expanding field of biomedical science with important implications in health and disease. After a historical review ranging up to the identification of autophagy genes in mammals, the authors discuss the signaling pathways that regulate autophagy, the mechanism of autophagosome formation and the physiological roles of autophagy in development, ageing, neurodegeneration, immune function and cell differentiation. A comprehensive list of useful antibodies for studying autophagy compiled as a community effort is included at the end. The book is intended for newcomers to the field, as well as more experienced researchers looking for a condensed but comprehensive introduction to the physiological function and regulation of the autophagic pathway in mammalian organisms.

