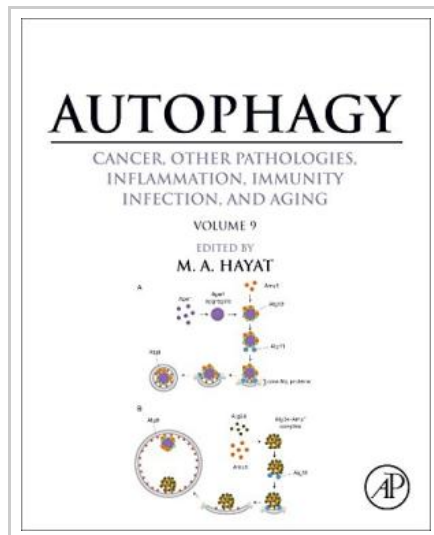




Autophagy: Cancer, Other Pathologies, Inflammation, Immunity, Infection, and Aging: Human Diseases and Autophagosome Volume 9 (Hardback)

By M. A. Hayat

Elsevier Science Publishing Co Inc, United States, 2016.

Hardback. Book Condition: New. 235 x 191 mm. Language:

English . Brand New Book. Autophagy: Cancer, Other

Pathologies, Inflammation, Immunity, Infection, and Aging:

Volume 9: Human Diseases and Autophagosome offers a

valuable guide to both cellular processes while helping researchers explore their potentially important connections.

Volume 9 emphasizes the role of autophagy in diseases, such as

leukemia, antifungal and antibacterial immunity, and

transplantation. This volume also explains, in detail, the

molecular mechanism(s) underlying the formation of

autophagosomes, including the progression of omegasomes to

autophagosomes. This information is important because one of

the major functions of autophagy is to degrade and eliminate

excessive, old, and harmful materials from the cell.

Autophagosomes receive these materials (cellular cargo) and

transport them to lysosomes for degradation. Lysosomes

contain the digestive enzymes (hydrolases) that breakdown

proteins, lipids, carbohydrates, etc. (self-digestion). To further

explain this phenomenon, the role of the endoplasmic reticulum

(ER) in the formation of autophagosomes is discussed. ULK1 and

Beclin 1 proteins are also important in the initial formation of

autophagosomes, and are also discussed. Because much of the

early research in this area was carried out using yeast cells. the

Reviews

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ZONDERVAN, United States, 2014. Paperback. Book Condition: New. 211 x 137 mm. Language: English . Brand New Book. Rachel Macy Stafford s post The Day I Stopped Saying Hurry Up was a true phenomenon on The Huffington Post, igniting countless conversations online...



The Birds Christmas Carol (Paperback)

BOOK JUNGLE, United States, 2009. Paperback. Book Condition: New. 235 x 190 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin was an American children s author and educator. She started the first free kindergarten in San...