



# Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells

*Kelsey B. Law, Peter K. Kim*

Download now

[Click here](#) if your download doesn't start automatically

# Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells

*Kelsey B. Law, Peter K. Kim*

**Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells** Kelsey B. Law, Peter K. Kim

Macroautophagy is mainly considered to be a mechanism for the bulk degradation of the cytoplasm in times of nutrient depletion. However, growing evidence suggests that macroautophagy is more substrate-specific than originally considered. Numerous cytosolic components are selectively degraded by macroautophagy, including aggresomes, damaged mitochondria, peroxisomes, ribosomes, midbodies, and bacteria and viruses. Although the specific molecular components may differ for each substrate, the general mechanism of selective macroautophagy involves the targeted ubiquitination of the substrate and the recruitment of autophagy receptors. Autophagy receptors are proteins that act as an interface between the substrate and the nascent autophagosome, the double-membrane structure that sequesters the cytoplasm for delivery to lysosomes for degradation. In this chapter we will describe the general mechanism of selective autophagy in the mammalian system, focusing on the most described autophagy receptor, p62. The emerging data suggest that selective autophagy is not only necessary for cell survival during nutrient starvation, but also plays a critical role in cell development, cellular responses to oxidative stress, and innate immunity.

 [Download Autophagy: Chapter 5. Ubiquitin and p62 in Selecti ...pdf](#)

 [Read Online Autophagy: Chapter 5. Ubiquitin and p62 in Selec ...pdf](#)

## **Download and Read Free Online Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells Kelsey B. Law, Peter K. Kim**

---

### **From reader reviews:**

#### **James Peters:**

This Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells book is not really ordinary book, you have it then the world is in your hands. The benefit you obtain by reading this book is information inside this e-book incredible fresh, you will get facts which is getting deeper a person read a lot of information you will get. This particular Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells without we understand teach the one who looking at it become critical in thinking and analyzing. Don't become worry Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells can bring when you are and not make your bag space or bookshelves' grow to be full because you can have it in the lovely laptop even cellphone. This Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells having good arrangement in word in addition to layout, so you will not truly feel uninterested in reading.

#### **Desmond Goforth:**

The e-book untitled Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells is the book that recommended to you you just read. You can see the quality of the book content that will be shown to a person. The language that writer use to explained their way of doing something is easily to understand. The article writer was did a lot of investigation when write the book, and so the information that they share to you is absolutely accurate. You also might get the e-book of Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells from the publisher to make you considerably more enjoy free time.

#### **Elvia Ecklund:**

Is it an individual who having spare time and then spend it whole day simply by watching television programs or just resting on the bed? Do you need something new? This Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells can be the response, oh how comes? A book you know. You are consequently out of date, spending your extra time by reading in this brand-new era is common not a nerd activity. So what these guides have than the others?

#### **Robert Knight:**

Reading a reserve make you to get more knowledge from this. You can take knowledge and information originating from a book. Book is written or printed or created from each source this filled update of news. With this modern era like now, many ways to get information are available for a person. From media social similar to newspaper, magazines, science e-book, encyclopedia, reference book, story and comic. You can add your knowledge by that book. Ready to spend your spare time to open your book? Or just searching for the Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells when you required it?

**Download and Read Online Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells Kelsey B. Law, Peter K. Kim #FXA8RCH3WOK**

## **Read Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells by Kelsey B. Law, Peter K. Kim for online ebook**

Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells by Kelsey B. Law, Peter K. Kim Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells by Kelsey B. Law, Peter K. Kim books to read online.

## **Online Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells by Kelsey B. Law, Peter K. Kim ebook PDF download**

**Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells by Kelsey B. Law, Peter K. Kim Doc**

Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells by Kelsey B. Law, Peter K. Kim Mobipocket

Autophagy: Chapter 5. Ubiquitin and p62 in Selective Autophagy in Mammalian Cells by Kelsey B. Law, Peter K. Kim EPub