



# Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis

*Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet*

Download now

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

# Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis

Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet

**Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis** Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet

Atherosclerosis is a chronic inflammatory disease of large and middle-sized blood vessels, and the leading cause of death among adults in the Western world. Recent evidence suggests that several molecular and cellular mechanisms play an important role in atherosclerosis and plaque progression. One of these mechanisms includes autophagy, a subcellular process for elimination of damaged organelles and protein aggregates via lysosomes. According to in vitro observations, the autophagic machinery is stimulated by several stress-related stimuli inside plaques, such as oxidized lipids, endoplasmic reticulum stress, hypoxia, nutrient deprivation, and inflammation. Although its role in atherosclerosis has not yet been fully established, a growing body of evidence indicates that autophagy has a protective function in atherosclerosis. It stimulates cholesterol efflux and reduces foam cell formation. Moreover, it prevents apoptosis by removing oxidatively damaged hyperpolarized mitochondria before reactive oxygen species production and cytochrome c release. Another important recent finding is that macrophage autophagy plays an essential role in delaying lesion progression by suppressing inflammasome activation. Interestingly, excessive everolimus-induced autophagy leads to selective macrophage death, and is a promising plaque-stabilizing strategy. Overall, autophagy seems to be a major player in atherosclerosis, but further research has to be performed to fully clarify its role in this disease.



[Download Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis.pdf](#)



[Read Online Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis.pdf](#)

**Download and Read Free Online Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis**  
Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet

**Download and Read Free Online Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis**  
**Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet**

---

**From reader reviews:**

**Ronald Hill:**

The book Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis make you feel enjoy for your spare time. You need to use to make your capable more increase. Book can for being your best friend when you getting anxiety or having big problem along with your subject. If you can make studying a book Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis to become your habit, you can get much more advantages, like add your capable, increase your knowledge about a few or all subjects. You may know everything if you like open up and read a publication Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis. Kinds of book are a lot of. It means that, science publication or encyclopedia or some others. So , how do you think about this e-book?

**Christine Hughes:**

This book untitled Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis to be one of several books that best seller in this year, honestly, that is because when you read this e-book you can get a lot of benefit into it. You will easily to buy this specific book in the book shop or you can order it by using online. The publisher on this book sells the e-book too. It makes you more readily to read this book, because you can read this book in your Smart phone. So there is no reason to you personally to past this reserve from your list.

**Cherry Simard:**

Spent a free the perfect time to be fun activity to try and do! A lot of people spent their leisure time with their family, or their friends. Usually they doing activity like watching television, planning to beach, or picnic inside the park. They actually doing same task every week. Do you feel it? Would you like to something different to fill your personal free time/ holiday? Can be reading a book might be option to fill your free of charge time/ holiday. The first thing that you ask may be what kinds of reserve that you should read. If you want to try look for book, may be the publication untitled Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis can be good book to read. May be it could be best activity to you.

**James McNally:**

The book untitled Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis contain a lot of information on it. The writer explains the woman idea with easy way. The language is very clear to see all the people, so do certainly not worry, you can easy to read that. The book was published by famous author. The author gives you in the new period of time of literary works. You can actually read this book because you can read more your smart phone, or gadget, so you can read the book within anywhere and anytime. In a situation you wish to purchase the e-book, you can wide open their official web-site as well as order it. Have a nice learn.

**Download and Read Online Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet #J2FQWZYVKCS**

# **Read Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis by Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet for online ebook**

Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis by Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet 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 6. The Role of Autophagy in Atherosclerosis by Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet books to read online.

## **Online Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis by Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet ebook PDF download**

**Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis by Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet Doc**

**Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis by Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet MobiPocket**

**Autophagy: Chapter 6. The Role of Autophagy in Atherosclerosis by Cédéric F. Michiels, Dorien M. Schrijvers, Guido R.Y. De Meyer, Wim Martinet EPub**