

[PDF文档](#)

细胞内一种耗能蛋白质降解途径的发现——2004年诺贝尔化学奖工作介绍

昌增益*¹、焦旺旺²

1 北京大学生命科学学院生物化学与分子生物学系

2 清华大学生物科学与技术系

2004年诺贝尔化学奖授予Aaron Ciechanover, Avram Hershko和Irwin Rose三位科学家,以表彰他们在上世纪80年代发现了泛素介导的蛋白质降解过程。文章简单介绍了该现象的科学发现历程,并讨论了该科学发现历程给予我们的启示。

Discovery of a cellular pathway on energy-consuming protein degradation --Introducing the work that was awarded the Nobel Prize in Chemistry for 2004.

The Nobel Prize in Chemistry for 2004 was awarded to Aaron Ciechanover, Avram Hershko and Irwin Rose, for their discovery of the ubiquitin-mediated protein degradation (proteolysis). Their discoveries are reviewed here in a historical perspective. Lessons that might be learned from their experiences are discussed.

关键词