

1 Name of journal: World Journal of Virology

2 ESPS Manuscript NO: 16067

3 **Columns: Review**

4

5 **Prion-induced neurotoxicity: possible role for cell cycle activity and DNA damage**

6 **response**

7

8 Raymond Bujdoso, Matthias Landgraf, Walker S Jackson, Alana M Thackray

9

10 **Abstract**

11 Protein misfolding neurodegenerative diseases arise through neurotoxicity induced

12 by aggregation of host proteins. These conditions include Alzheimer's disease,

13 Huntington's disease, Parkinson's disease, motor neuron disease, tauopathies and

14 prion diseases. Collectively, these conditions are a challenge to society because of the

15 increasing aged population and through the real threat to human food security by

16 animal prion diseases. It is therefore important to understand the cellular and

17 molecular mechanisms that underlie protein misfolding-induced neurotoxicity as

Match Overview

1	CrossCheck 116 words Thackray, A. M., C. Zhang, T. Arndt, and R. Bujdoso. "C... osolic PrP can participate in prion-mediated toxicity", Journ	2%
2	CrossCheck 62 words Thackray, A.M.. "Prion-induced toxicity in PrP transgenic D rosophila", Experimental and Molecular Pathology, 201204	1%
3	Internet 35 words crawled on 28-Jan-2015 www.nzimls.org.nz	1%
4	CrossCheck 16 words Min, Sunwoo, Sujin Jo, Ho-Soo Lee, Sunyoung Chae, Jong -Soo Lee, Jae-Hoon Ji, and Hyeseong Cho. "ATM-depend	<1%
5	Internet 16 words crawled on 18-Dec-2014 mscanner.stanford.edu	<1%
6	Internet 12 words crawled on 09-Mar-2014 www.dementiatoday.com	<1%
7	Internet 11 words crawled on 05-Oct-2010	<1%



Prion-induced neurotoxicity: possible role for cell cycle activity and DNA



网页 新闻 图片 视频 更多 ▾ 搜索工具

找到约 165,000 条结果 (用时 0.76 秒)

Google 学术: Prion-induced neurotoxicity: possible role for cell cycle activity and DNA damage response

... neuroblastoma SH-SY5Y cells: involvement of p53 ... - Yang - 被引用次数: 56

Cellular pathogenesis in prion diseases - Crozet - 被引用次数: 24

Role of PrPc related to apoptosis - Liang - 被引用次数: 10

ROLE FOR NONCODING RNAS IN THE DNA DAMAGE ...

pubs.acs.org/doi/pdf/10.1021/tx300297q ▾ 翻译此页

ROLE FOR NONCODING RNAS IN THE DNA DAMAGE RESPONSE ... the role of DICER and DRISHA in cells that had undergone oncogene-induced senescence. They found that siRNA-mediated knockdown of either RNase in these cells restored DNA ... cycle arrest. ... neurotoxicity in a mouse model of prion disease.

Why Do Neurons Enter the Cell Cycle?

www.tandfonline.com/doi/pdf/10.4161/cc.3.6.901 - 翻译此页

作者: Il Kruman - 2004 - 被引用次数: 73 - 相关文章

response. A link between DNA damage and repair, cell cycle regulation and cell ... kinases play a central role in DNA damage signaling.4 G1- to S-phase ... members of the E2F family of transcription factors.8 E2F activity is required for the transcriptional induction of many genes required for generation in prion diseases.

[网页](#)[新闻](#)[图片](#)[视频](#)[更多 ▾](#)[搜索工具](#)

找到约 322,000 条结果 (用时 0.69 秒)

Google 学术: Prion-induced neurotoxicity: Possible role for cell cycle activity and DNA damage response

... neuroblastoma SH-SY5Y cells: involvement of p53 ... - Yang - 被引用次数: 57

Cellular pathogenesis in prion diseases - Crozet - 被引用次数: 24

Role of PrPc related to apoptosis - Liang - 被引用次数: 10

ROLE FOR NONCODING RNAS IN THE DNA DAMAGE ...

pubs.acs.org/doi/pdf/10.1021/tx300297q ▾ [翻译此页](#)

ROLE FOR NONCODING RNAS IN THE DNA DAMAGE RESPONSE ... the role of DICER and DROSHA in cells that had undergone oncogene-induced senescence. They found that siRNA-mediated knockdown of either RNase in these cells restored DNA ... cycle arrest. ... neurotoxicity in a mouse model of prion disease.

Oxidative stress, cell cycle, and neurodegeneration

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ [翻译此页](#)

作者: JA Klein - 2003 - 被引用次数: 353 - [相关文章](#)

As an apparent compensatory response, increased levels of catalase, glutathione ...
Unscheduled cell cycle reentry can also be induced by neurotoxic insults. ... oxidative stress on the cell cycle reveals that increases in ROS-induced DNA damage Such a role would be consistent with the antioxidant activity of glutathione ...