



Hepatitis B virus X protein, and polyploidy in the development of HCC

By Rakotomalala, Lova

Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | DNA rereplication induced by viral protein | Hepatitis B Virus (HBV) X protein (pX) is implicated by an unknown mechanism in hepatocellular carcinoma (HCC) development, characterized by increased rate of chromosomal aberrations. Although most patients clear the infection and develop immunity, chronic infection in 5 to 10% of infected patients leads to HCC development in the 4th to 5th decade of life. I demonstrate that tetracycline-regulated pX expression induces multipolar spindles and polyploidy (4N DNA). To understand the mechanism of pX-mediated polyploidy, I investigated whether pX promotes DNA replication. Dual-parameter flow cytometry demonstrates pX-dependent BrdU incorporation in cells with 4N DNA. pX also induces expression of replication initiation factors Cdc6 and Cdt1, while suppressing geminin expression, a negative regulator of re-replication. G2-phase synchronized cells exhibit pX-dependent: i) nuclear Cdc6 and Mcm5 colocalization; ii) absence of nuclear geminin; iii) increased BrdU incorporation; iv) ATR activation; v) RAD17 and H2AX phosphorylation; and vi) colocalization of H2AX with the DNA elongation factor PCNA. | Format: Paperback | Language/Sprache: english | 200 gr | 144 pp.



READ ONLINE
[2.99 MB]

Reviews

This book is really gripping and fascinating. I really could comprehend almost everything using this published e book. I am just very easily can get a delight of reading a published publication.

-- **Kailey Pacocha**

The most effective pdf i possibly study. It can be rally exciting throug reading through period of time. Your lifestyle span is going to be transform when you total reading this book.

-- **Christop Ferry**

Related eBooks



Would It Kill You to Stop Doing That?

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years ago, humorist and journalist Henry Alford found...



Violet Rose and the Surprise Party

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a birthday coming up, she and her buddies...



Read Write Inc. Phonics: Yellow Set 5 Storybook 10 the Foolish Witch

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 210 x 81 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read Write Inc. Set 1 and 2 sounds....



God Loves You. Chester Blue

Henry and George Press. Paperback. Book Condition: New. Ursula Andrejczuk (illustrator). Paperback. 140 pages. Dimensions: 8.0in. x 5.2in. x 0.3in. BEAUTIFUL NEW ILLUSTRATIONS BRING THE STORY TO LIFE! A charming book about a mysterious bear that shows up in the right place at just...



Unknown Pleasures

Faber and Faber, 2001. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving your order. Orders are dispatched Monday â Friday....



The Ice Soldier

Faber and Faber, 2006. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving your order. Orders are dispatched Monday â Friday....