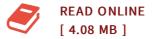




## Human Fidgetin and Its Functions in Mitosis and Cell Migration

By Suranjana Mukherjee

LAP Lambert Academic Publishing Okt 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neuware - Microtubule is an essential component of the cytoskeleton required for several important cellular processes such as cell division, cellular morphogenesis and migration. In cells, functions of microtubules are tightly regulated by additional microtubuleassociated proteins called MAPs. Fidgetin is a microtubuleassociated protein, which influences several microtubule based cellular processes by regulating microtubule dynamics. Fidgetin is a microtubule severing and depolymerizing enzyme and possibility by utilizing these properties it regulates mitosis and cellular migration. Both of these processes are extremely important during cell proliferation and tissue morphogenesis. Defects in these processes may lead to malignant transformation and developmental defects including neurodegenerative disease, as the formation of neuronal processe is in many ways a modified form of cell migration. Notably, Fidgetin mutation causes developmental and behavioral defects in mice. This study might lead ways to the molecular etiology of these diseases and develop effective therapeutic strategies for their treatment. 96 pp. Englisch.



## Reviews

An incredibly amazing ebook with perfect and lucid answers. It is writter in basic terms and never difficult to understand. Its been written in an exceptionally basic way and it is only right after i finished reading this ebook in which in fact modified me, affect the way i really believe.

-- Beverly Hoppe

Extremely helpful for all class of individuals. Better then never, though i am quite late in start reading this one. I realized this publication from my i and dad suggested this ebook to discover.

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