

T53: A Mystery Gene

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Abstract: *T53 A regulatory protein which controls the cell division also it acts as tumour suppresser. That means it controls the cell division to avoid the uncontrolled division of cell to resist the growth of tumour . it is located in the nucleolus of the cell throughout the body here it is directly attached to the DNA . when the DNA gets damaged by some of the reasons this gene plays an crucial role , it repairs the damaged DNA or the cell will go under apoptosis . if the DNA can be repaired the he p53 activates the other proteins to fix damage . if the damage can't be reversed it prevents the DNA replication and cell from dividing to prevent formation of tumour.*

Keywords: T53, regulatory protein, Mutant p53 in cancer progression and targeted therapies, P53 Role in Disease, Function of p53, Human TP53 gene, regulatory protein

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