

Title (en)

RETINOBLASTOMA PROTEIN COMPLEXES AND RETINOBLASTOMA INTERACTING PROTEINS

Title (de)

RETINOBLASTOMPROTEIN KOMPLEXE UND PROTEINE DIE MIT DEM RETINOBLASTOMPROTEIN WECHSEL WIRKEN

Title (fr)

COMPLEXES PROTEIQUES DE RETINOBLASTOME ET PROTEINES INTERAGISSANT AVEC LE RETINOBLASTOME

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Abstract (en)

[origin: WO9941376A2] The present invention relates to complexes of the retinoblastoma (RB) protein with proteins identified as interacting with RB by an improved, modified yeast two hybrid assay system. The proteins identified to interact with RB are RN-tre, CAS, IP-30, L6, IK, LDH-B, Nlk1(Nek 2), cyclophilin A, Zap 3, CD24*, Set*, GluT1*, and 115392*. Thus, the present invention provides complexes of RB and RN-tre, CAS, IP-30, L6, IK, LDH-B, Nlk1(Nek 2), cyclophilin A, Zap 3, CD24*, Set*, GluT1*, and 115392* and derivatives, fragments and analogs thereof. The invention also provides the CD24*, Set*, GluT1*, and 115392* genes and proteins and derivatives, fragments and analogs thereof. Methods of screening the complexes for efficacy in treating and/of preventing certain diseases and disorders, particularly hyperproliferative disorders, including cancer, neurodegenerative disease, and viral disease, are also disclosed herein.

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