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4.21 Reporter gene assay; 5 Results; 5.1 Introduction of different constructs of v-Myb; 5.2 Analysis of the interaction of the hydrophobic region of v-Myb with unidentified binding partners; 5.3 Analysis of the interaction of v-Myb with GRP78; 5.4 Analysis of the interaction between C/EBPß and the hydrophobic region of v-Myb; 5.5 Analysis of the interaction of PRMT4/CARM1 with v-Myb; 6 Discussion 6.1 Endogenous pull-down experiments detected potential interaction partners of the hydrophobic region of v-Myb6.2 GRP78va interacts with both mutants of v-Myb; 6.3 C/EBPß interacts with the hydrophobic region of v-Myb; 6.4 PRMT4 as a newly identified interaction partner; 6.5 Future perspectives; 7 Appendix; 7.1 Table of figures; 7.2 References; 7.3 Clone charts

Sommario/riassunto

The oncogene v-myb of the retroviruses AMV (avian myeloblastosis virus) and E26 (avian leukaemia virus) encodes a transcription factor (v-Myb) which is a truncated homolog of its cellular progenitor c-Myb. c-Myb plays an essential role in the development of haematopoietic cells and is known to be a regulator for many target genes. v-Myb AMV is responsible for the transformation of myelomonocytic cells and for arresting them in an immature stage, presumably because of a deregulation of the expression of specific target genes. In addition to the truncation of the coding region, a number of amino