

Obtainment and Characterization of Brain Tumor Cell Using Vasopressin-SV40 T Ag Transgenic Mouse

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Abstract

In previous reports, pVPSV.IGR2.1 transgenic mouse were described that brain tumor and lymphoma by reason of Vasopressin-SV40 T anti-gen. In this study, we produced pVPSV.IGR3.6 transgenic mouse that used pVPSV.IGR3.6 vector. Expression of transgene was vary different in transgenic mouse. We obtained 6 transgenic mouse line, moreover they had died at the age of 2-6 weeks without transmitting the trans-gene to their offspring, and had tumorigenesis on same location with pVPSV.IGR2.1 transgenic mouse. Only a founder mouse was investi-gated for expression of fusion gene. Here we extended this transgenic approach to the study of tumor progression. From the mouse, we con-firmed brain tumor cell, after then cultured for investigate characteri-zation.

In this report, we demonstrate that reduction of survival rate in trans-genic mouse fused vasopressin gene length, acquisition of brain tumor cell, composition with astrocyte cells and neuronal cells. Finally, cells had no change with increase of passage.