

Supplemental Table 1: Tumor immunophenotype

Immunostain	Source	Concentration	Finding
Cytokeratin, Clone AE1/AE3	Dako	ready-to-use	Negative
Brachyury	External test		Negative
CD34, Clone QBEnd 10	Dako, Denmark	ready-to-use	Strong cytoplasmic and process staining in many regions
Desmin, Clone D33	Dako, Denmark	ready-to-use	Negative
EMA, Clone E29	Dako, Denmark	ready-to-use	Strong perinuclear cytoplasmic staining in occasional tumor cells
GFAP, polyclonal rabbit	Dako, Denmark	ready-to-use	Strongly positive in neuroglial vascular element; negative in tumor
INI-1 Clone MRQ-27	Cell Marque, Rocklin, California	ready-to-use	Negative in myxoid tumor nuclei; positive in neuroglial vascular element
Myogenin, Clone F5D	Dako, Denmark	ready-to-use	Negative
O13 (CD99), Clone O13	Thermo Fisher Scientific, Fremont, California	1:4000	Weakly positive in fibrous elements
S100, polyclonal rabbit	Dako, Denmark	ready-to-use	Strongly positive in neuroglial vascular element; negative in tumor
Synaptophysin, Clone DAK-SYNAP	Dako, Denmark	ready-to-use	Strongly positive in neuroglial vascular element; negative in tumor
WT1, Clone WT49	Novocastra, United Kingdom	1/25	Negative