TUMOR TYPE	NORMAL CELL COUNTERPART	USEFUL MARKER(S)
Angiosarcoma	Endothelium	CD31, CD34, FLI-1, ERG, von Willebrand factor, claudin-5, type IV collagen
Leiomyosarcoma	Smooth muscle	**Muscle (smooth) actins, desmin, caldesmon, myosin heavy chain, type IV collagen**
Rhabdomyosarcoma	Skeletal muscle	MyoD1, myogenin; muscle (sarcomeric) actins; desmin
Ewing family of tumors	—	**CD99 (p30/32-MIC2), FLI-1, NKX2.2**
Synovial sarcoma	—	Cytokeratin, EMA, TLE1
Epithelioid sarcoma	—	**Cytokeratin, CD34, SMARCB1 (INI1) loss**
Malignant peripheral nerve sheath tumor	Nerve sheath (e.g., Schwann cell, perineurial cell)	S-100, CD57, NGF receptor, EMA, claudin-1, Glut-1, SOX10
Liposarcoma	Adipocyte	**S-100 protein, MDM2, CDK4**
Chondrosarcoma	Chondrocyte	S-100 protein
Osteogenic sarcoma	Osteocyte	**Osteocalcin**
Kaposi sarcoma	Endothelium	CD31, CD34, VEGFR3, podoplanin, LANA
Myofibroblastic lesions (e.g., nodular fasciitis)	Myofibroblast	**Smooth muscle actins**
Gastrointestinal stromal tumor	Interstitial cells of Cajal	CD117 (c-kit), CD34, protein kinase C-θ, DOG1
Solitary fibrous tumor	—	**CD34, Bcl-2**
Glomus tumors	Glomus cell	Smooth muscle actins, type IV collagen
Angiomatoid (malignant) fibrous histiocytoma	—	**Desmin, EMA, CD68**
Alveolar soft part sarcoma	—	TFE3
Perivascular epithelioid cell neoplasms (PEComas)	—	**Smooth muscle actins, melanocytic markers**