

No	Code	Name	Control Positive	Control Negative
1.	<b>2SC</b>	S-(2-succino)-Cysteine	Renal Cell Carcinoma	Leiomyomas
2.	<b>A-1 AT</b>	A-1 Antitrypsin	-	-
3.	<b>A-B-CRYS</b>	Alpha Beta Crystallin	-	-
4.	<b>A-SARC</b>	A-Sarcoglycan	-	-
5.	<b>ACTH</b>	ACTH	-	-
6.	<b>ADENO</b>	Adenovirus	-	-
7.	<b>AE1/AE3</b>	Cytokeratin AE1/AE3	-	-
8.	<b>AFP</b>	AFP	-	-
9.	<b>ALK-AP</b>	ALK-AP	Myofibroblastic and normal nerves	-
10.	<b>ALK-HP</b>	ALK-HP	-	-
11.	<b>AMACR</b>	AMACR (p504s)	-	-
12.	<b>AND-REC</b>	Androgen Receptor	-	-
13.	<b>ANNEXIN</b>	Annexin A1	-	-
14.	<b>ARG-1</b>	Arginase-1	-	-

15.	<b>ATRX</b>	ATRX	-	-
16.	<b>B-AMYL</b>	Beta-Amyloid	-	-
17.	<b>B-CAT</b>	B-Catenin	-	-
18.	<b>B-DYG</b>	B-Dystroglycan	-	-
19.	<b>B-SARC</b>	B-Sarcoglycan	-	-
20.	<b>B72.3</b>	TAG-72 (B72.3)	-	-
21.	<b>BAP1</b>	BAP1	-	-
22.	<b>BCL-10</b>	BCL-10	-	-
23.	<b>BCL-2</b>	BCL2	-	-
24.	<b>BCL-6</b>	BCL-6	-	-
25.	<b>BCOR</b>	BCOR (Bcl-6 corepressor protein)	Young Children, Renal Cell Sarcoma	Ewing Sarcoma
26.	<b>BER-EP4</b>	BerEP4	-	-
27.	<b>BOB 1</b>	BOB-1	-	-
28.	<b>BRACHY</b>	Brachyury	-	-
29.	<b>BRAF-V</b>	BRAF V600E	-	-

30.	<b>BRST-2</b>	BRST-2 (GCDFP-15)	-	-
31.	<b>C-MYC</b>	C-Myc	-	-
32.	<b>C3D</b>	C3d	-	-
33.	<b>C4D</b>	C4d	Along peritubular Capillaries	-
34.	<b>C5B-9</b>	C5b9	-	-
35.	<b>CAIX</b>	CAIX	-	-
36.	<b>CALCIT</b>	Calcitonin	-	-
37.	<b>CALDES</b>	Caldesmon	-	-
38.	<b>CALPON</b>	Calponin	-	-
39.	<b>CALRET</b>	Calretinin	-	-
40.	<b>CAM5.2</b>	Anti-Cytokeratin (CAM5.2)	-	-
41.	<b>CAMTA1</b>	CAMTA1	Epithelioid hemangioendothelioma	-
42.	<b>CATHEPSIN K</b>	Cathepsin K	Kaposi Sarcoma	Translocation Renal Cell Carcinoma
43.	<b>CAVEOL</b>	Caveolin 3	-	-

44.	<b>CD 10</b>	CD 10	-	-
45.	<b>CD 117</b>	CD 117	-	-
46.	<b>CD 123</b>	CD 123	-	-
47.	<b>CD 13</b>	CD 13	-	-
48.	<b>CD 138</b>	CD 138	-	-
49.	<b>CD 14</b>	CD 14	-	-
50.	<b>CD 15</b>	CD 15	Hochkin lymphoma	-
51.	<b>CD 163</b>	CD163	-	-
52.	<b>CD 19</b>	CD 19	-	-
53.	<b>CD 1A</b>	CD1a	-	-
54.	<b>CD 2</b>	CD 2	T Cell (LN)	B Cell (LN)
55.	<b>CD 20</b>	CD 20	Normal Tunsolit	-
56.	<b>CD 21</b>	CD 21	-	-
57.	<b>CD 23</b>	CD23	-	-
58.	<b>CD 25</b>	CD 25	-	-

59.	CD 3	CD3	Normal Tunsolit	-
60.	CD 30	CD 30	Hochkin lymphoma	-
61.	CD 31	CD 31	-	-
62.	CD 33	CD 33	-	-
63.	CD 34	CD 34	-	-
64.	CD 4	CD 4	-	-
65.	CD 43	CD 43	-	-
66.	CD 45	CD45 (LCA)	Normal Tunsolit	-
67.	CD 5	CD5	Normal Tunsolit	-
68.	CD 56	CD 56	-	-
69.	CD 57	CD 57	-	-
70.	CD 61	CD 61	-	-
71.	CD 68	CD 68	-	-
72.	CD 7	CD 7	-	-
73.	CD 79A	CD79a	-	-

74.	<b>CD 8</b>	CD 8	Normal Tunsolit	-
75.	<b>CD 99</b>	CD 99	-	-
76.	<b>CDX-2</b>	CDX2	-	-
77.	<b>CEA-M</b>	CEAm	Normal Colon	-
78.	<b>CEA-P</b>	CEA-P	-	-
79.	<b>CGA</b>	Chromogranin A	Pancreas	-
80.	<b>CHYMO</b>	Chymotrypsin	-	-
81.	<b>CK 19</b>	CK 19	-	-
82.	<b>CK 20</b>	CK20	-	-
83.	<b>CK 5/6</b>	CK5/6	-	-
84.	<b>CK 7</b>	CK7	-	-
85.	<b>CK 903</b>	K903	-	-
86.	<b>CKCKTL</b>	Cytokeratin Cocktail	Prostate, Skin, Oesophage	-
87.	<b>Claudin-4</b>	Claudin-4	SCC	Mesothelioma Small cell Carcinoma, Melanoma

88.	<b>CLUST</b>	Clusterin	-	-
89.	<b>CMV</b>	CMV	-	-
90.	<b>COLLAGEN IV</b>	Collagen IV	-	-
91.	<b>CRP</b>	CRP	-	-
92.	<b>CYCD1</b>	Cyclin D1	-	-
93.	<b>CYP11B2</b>	Aldosterone synthase	Normal Adrenal	-
94.	<b>D-SARC</b>	D-Sarcoglycan	-	-
95.	<b>D2-40</b>	D2-40	-	-
96.	<b>DBA.44</b>	DBA.44 (Hairy Cell)	-	-
97.	<b>DESMIN</b>	Desmin	Skeletal Musclce	-
98.	<b>DOG-1</b>	DOG1	-	-
99.	<b>DYS1ROD</b>	DYS1	-	-
100.	<b>DYS2CT</b>	DYS2	-	-
101.	<b>DYS3NT</b>	DYS3	-	-
102.	<b>DYSFER</b>	Dysferlin	-	-

103.	<b>E-CAD</b>	E-Cadherin	-	-
104.	<b>EGFR</b>	EGFR	-	-
105.	<b>EMA</b>	EMA	Prostate, Normal Breast, Kidney	-
106.	<b>EMERIN</b>	Emerin	-	-
107.	<b>ER</b>	ER	Normal Breast	-
108.	<b>ERG</b>	ERG	-	-
109.	<b>F-MYOSIN</b>	Fast Myosin	-	-
110.	<b>F13A</b>	Factor XIIIa	-	-
111.	<b>FASCIN</b>	Fascin	-	-
112.	<b>FH</b>	FH	-	-
113.	<b>FOXP1</b>	FoxP1	-	-
114.	<b>FSH</b>	FSH	-	-
115.	<b>FVIII RA</b>	Factor VIII RA	-	-
116.	<b>G-SARC</b>	G-Sarcoglycan	-	-
117.	<b>GASTRIN</b>	Gastrin	-	-



118.	<b>GATA-3</b>	GATA-3	-	-
119.	<b>GFAP</b>	GFAP	Brain	-
120.	<b>GH</b>	GH	-	-
121.	<b>GLIP3</b>	Glypican 3	-	-
122.	<b>GLUT SYNTH</b>	Glutamine Synthetase	-	-
123.	<b>GLUT1</b>	Glut1	-	-
124.	<b>GLY-A</b>	Glycophorin A	-	-
125.	<b>GRANZYME</b>	Granzyme B	-	-
126.	<b>H.PYL</b>	H.pylori	-	-
127.	<b>H3.3 G34W</b>	H3.3 G34W	Giant Cell Tumor	-
128.	<b>H3K27M</b>	H3K27M	-	-
129.	<b>H3K27me3</b>	H3K27me3	Normal Tissues	Meningiomas
130.	<b>HCG</b>	HCG	-	-
131.	<b>HEMOA</b>	Hemoglobin A	-	-
132.	<b>HEPAT</b>	Hepatocyte	-	-

133.	<b>HEPCORE</b>	Hepatitis B Core	-	-
134.	<b>HEPSURF</b>	Hepatitis B Surface	-	-
135.	<b>HER-2</b>	Her-2/neu	-	-
136.	<b>HHV8</b>	HHV8	-	-
137.	<b>HMB-45</b>	Melanosome (HMB45)	Melanoma	-
138.	<b>HPL</b>	HPL	-	-
139.	<b>HSV 1</b>	HSV1	-	-
140.	<b>HSV 2</b>	HSV II	-	-
141.	<b>ICOS</b>	Inducible co-stimulator, CD278	T-Cell Lymphoma	-
142.	<b>IDH1</b>	IDH-1	-	-
143.	<b>IGA-HC</b>	IgA	-	-
144.	<b>IGD-HC</b>	IgD	-	-
145.	<b>IGF2</b>	IGF2 (Insulin-like growth factor 2)	Normal Adrenal Medulla	Normal Adrenal Cortex
146.	<b>IGG-HC</b>	IgG	-	-

147.	<b>IGG4</b>	IgG4	-	-
148.	<b>IGM-HC</b>	IgM	-	-
149.	<b>INHIB</b>	Inhibin, alpha	-	-
150.	<b>INI-1</b>	INI-1	-	-
151.	<b>INSM1</b>	Insulinoma-associated protein 1	Neuroendocrine	-
152.	<b>KAPPA-HC</b>	Kappa-HC	-	-
153.	<b>KI-67</b>	Ki-67	-	-
154.	<b>LAMBDA-HC</b>	Lambda-HC	-	-
155.	<b>LAMINA/C</b>	Lamin A/C	-	-
156.	<b>LAMININ</b>	Laminin-B1	-	-
157.	<b>Langerin (CD207)</b>	Langerin (CD207)	-	-
158.	<b>LEF1</b>	LEF1 (Lymphoid enhancer-binding factor 1)	Chronic lymphocytic leukemia/small lymphocytic lymphoma normal T-Cell	-
159.	<b>LFABP</b>	LFABP	-	-

160.	<b>LH</b>	LH	-	-
161.	<b>LYSO</b>	Lysozyme	-	-
162.	<b>MAMGLBN</b>	Mammaglobin	-	-
163.	<b>MC TRYP</b>	Mast Cell Tryptase	-	-
164.	<b>MCPyV LTA</b>	Merkel cell polyomavirus large T-antigen	Merkel Cell Carcinoma	Normal Merkel Cell
165.	<b>MDM2</b>	MDM2	-	-
166.	<b>MELAN A</b>	Melan A	-	-
167.	<b>MELAN A2</b>	MART1	-	-
168.	<b>MEROSIN</b>	Merosin	-	-
169.	<b>MHC1</b>	HLA-ABC (MHC1)	-	-
170.	<b>MITF</b>	MITF	-	-
171.	<b>MLH1</b>	MLH1	-	-
172.	<b>MNF116</b>	Cytokeratin, MNF116	-	-
173.	<b>MOC-31</b>	MOC-31	-	-

174.	<b>MS ACTIN</b>	Actin, Muscle Specific	-	-
175.	<b>MSH2</b>	MSH2	-	-
176.	<b>MSH6</b>	MSH6	-	-
177.	<b>MTAP</b>	Methylthioadenosine phosphorylase	Mesothelial hyperplasia – Loss Normal Tissues	homozygous
178.	<b>MUC2</b>	MUC2	-	-
179.	<b>MUC4</b>	Mucin 4	-	-
180.	<b>MUC5AC</b>	MUC5AC	-	-
181.	<b>MUC6</b>	MUC6	-	-
182.	<b>MUM1</b>	MUM1	-	-
183.	<b>MX1</b>	MX1	-	-
184.	<b>MYELIN</b>	Myelin Basic Protein	-	-
185.	<b>MYELO</b>	Myeloperoxidase	-	-
186.	<b>MyoD1</b>	MyoD1	Rhabdomyosarcoma	-
187.	<b>MYOGEN</b>	Myogenin	-	-

188.	<b>MYOGLOB</b>	Myoglobin	-	-
189.	<b>MYOTILN</b>	Myotilin	-	-
190.	<b>NAPSIN</b>	Napsin A	-	-
191.	<b>NESTIN</b>	Nestin	-	-
192.	<b>NEUN</b>	NeuN	-	-
193.	<b>NEUROFIL</b>	Neurofilament	-	-
194.	<b>NGFR</b>	NGFR	-	-
195.	<b>NKI/C3</b>	NKI/C3	-	-
196.	<b>NKX3.1</b>	NKX3.1	-	-
197.	<b>NSE</b>	NSE	Pancreas	-
198.	<b>NUT</b>	NUT	Some Germ Cell Tumors	-
199.	<b>Oct-2</b>	Oct-2	-	-
200.	<b>Oct-4</b>	Oct-4	-	-
201.	<b>Olig2</b>	Oligodendrocyte transcription factor 2	Rhabdomyosarcoma	Ependymomas

<b>202.</b>	<b>P120</b>	p120 catenin	Breast Ductal Carcinoma, Breast Lobular Carcinoma, Gastric Carcinoma	-
<b>203.</b>	<b>P16</b>	p16	-	-
<b>204.</b>	<b>p40</b>	p40	SCC	Adenocarcinoma
<b>205.</b>	<b>P53</b>	p53	-	-
<b>206.</b>	<b>P57</b>	p57	-	-
<b>207.</b>	<b>P62</b>	p62 (SQSTM1)	Astrocytoma	-
<b>208.</b>	<b>P63</b>	p63	-	-
<b>209.</b>	<b>PARVO</b>	Parvovirus	-	-
<b>210.</b>	<b>PAX-2</b>	PAX2	-	-
<b>211.</b>	<b>PAX-5</b>	PAX5	-	-
<b>212.</b>	<b>PAX-8</b>	PAX-8	-	-
<b>213.</b>	<b>PD-1</b>	PD-1	-	-
<b>214.</b>	<b>PD-L1 22C3</b>	PD-L1 22C3	Normal Tonsillar Crypts	-

215.	<b>PD-L1 SP142</b>	PD-L1 SP142	-	-
216.	<b>PGP9.5</b>	PGP9.5	-	-
217.	<b>PHH3</b>	pHH3	-	-
218.	<b>PIN-4</b>	PIN-4	-	-
219.	<b>PIT1</b>	Pit1	Somatotroph, Lactotroph, thyrotroph adenomas	Corresponding adenoma
220.	<b>PLAP</b>	PLAP	-	-
221.	<b>PMS2</b>	PMS2	-	-
222.	<b>POU2F3</b>	POU2F3	Subset of Small cell lung carcinoma	-
223.	<b>PR</b>	PR	Breast Normal	-
224.	<b>PR-CKTL</b>	Basal Cell Cocktail	-	-
225.	<b>PRAME</b>	Preferentially Expressed Antigen in Melanoma	Melanoma	-
226.	<b>PRAP</b>	PRAP	-	-
227.	<b>PREALB</b>	Prealbumin	-	-



<b>228.</b>	<b>PRKAR1A (red chromogen)</b>	PRKAR1A	Nevi and Melanoma	Melanocytoma
<b>229.</b>	<b>PRL</b>	Prolactin	-	-
<b>230.</b>	<b>PROX1</b>	PROX1	-	-
<b>231.</b>	<b>PSA</b>	PSA	Normal Prostate	-
<b>232.</b>	<b>PSAP</b>	PSAP	-	-
<b>233.</b>	<b>PSMA</b>	PSMA	-	-
<b>234.</b>	<b>PTEN</b>	Phosphatase and tensin homolog	Normal Tissues, tumors with wild type PTEN	Tumors with PTEN Mutation
<b>235.</b>	<b>PTH</b>	PTH	-	-
<b>236.</b>	<b>PU.1</b>	PU.1	-	-
<b>237.</b>	<b>RB (4H1)</b>	RB	-	-
<b>238.</b>	<b>RCC</b>	RCC	-	-
<b>239.</b>	<b>S-MYOSIN</b>	Slow Myosin	-	-
<b>240.</b>	<b>S100</b>	S100	Melanoma	-
<b>241.</b>	<b>S100-A1</b>	S100A1	-	-

242.	<b>SAA</b>	SAA	-	-
243.	<b>SALL4</b>	Sall4	-	-
244.	<b>SAP</b>	SAP (SLAM-associated protein)	Normal Follicular Helper T Cells	-
245.	<b>SATB2</b>	SATB2	Mucinous Carcinoma, Normal Colon	-
246.	<b>SDHB</b>	SDHB	-	-
247.	<b>SF-1</b>	Steroidogenic factor 1	-	-
248.	<b>SM ACTIN</b>	Actin, Smooth Muscle	-	-
249.	<b>SM MYOS</b>	Smooth Muscle Myosin	-	-
250.	<b>SMAD4</b>	SMAD4 (DPC4)	Pancreatic Adenocarcinomas, Colorectal	-
251.	<b>SMARCA4</b>	SMARCA4 (BRG1)	-	-
252.	<b>SOX10</b>	SOX-10	-	-
253.	<b>SOX11</b>	SOX11	-	-
254.	<b>SOX2</b>	SOX2	Embryonal Carcinoma, SCC	-

255.	<b>SPEC</b>	Spectrin	-	-
256.	<b>SPIRO</b>	Spirochete	-	-
257.	<b>SS18-SSX</b>	SS18-SSX	Synovial Sarcoma	All other Tumors
258.	<b>SSTR2A</b>	Somatostatin receptor 2A	Meningioma	-
259.	<b>STAT6</b>	STAT6	-	-
260.	<b>SV40</b>	SV40	-	-
261.	<b>SYNAPAP</b>	Synaptophysin AP	-	-
262.	<b>SYNAPNP</b>	Synaptophysin NP	-	-
263.	<b>SYNUC</b>	Alpha Synuclein	-	-
264.	<b>TAU</b>	Tau	-	-
265.	<b>TCL1</b>	TCL1	-	-
266.	<b>TCR delta</b>	TCR delta	T-Cell Lymphoma	-
267.	<b>TCRBF1</b>	TCRBF1	-	-
268.	<b>TDP-43</b>	TDP-43	-	-
269.	<b>TDT</b>	TdT	-	-

<b>270.</b>	<b>TGB</b>	Thyroglobulin	-	-
<b>271.</b>	<b>TIA1</b>	TIA-1	-	-
<b>272.</b>	<b>TLE-1</b>	TLE-1	-	-
<b>273.</b>	<b>TOXO</b>	Toxoplasma	-	-
<b>274.</b>	<b>TPIT</b>	TPIT	Corticotroph adenoma, Normal Corticotroph	Somatotropes, Lactotropes
<b>275.</b>	<b>TRAP</b>	TRAP	-	-
<b>276.</b>	<b>TRPS1</b>	TRPS1 (Trichorhinophalangeal syndrome type 1)	Normal Breast Ductal Cells	Melanoma
<b>277.</b>	<b>TRYPSIN</b>	Trypsin	-	-
<b>278.</b>	<b>TSH</b>	TSH	-	-
<b>279.</b>	<b>TTF1</b>	TTF1	-	-
<b>280.</b>	<b>TYROS</b>	Tyrosinase	-	-
<b>281.</b>	<b>UBIQ</b>	Ubiquitin	-	-
<b>282.</b>	<b>VIM</b>	Vimentin	-	-
<b>283.</b>	<b>VZV</b>	VZV	Cells infected with varicella zoster virus, such as seen in	-

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chickenpox and  
shingles

284.

WT1

WT1

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