

Table S1. Tissue-specificity of proteins in the long biomarker panel. The data were retrieved from Human Protein Atlas

Entrez Gene Symbol	Subcellular location	RNA tissue category	RNA TS FPKM	FPKM max in non specific
ALCAM	Cytoplasm	Mixed		lung: 70.9
ANP32B		Expressed in all		tonsil: 112.1
CA3		Tissue enriched	skeletal muscle: 1438.4	prostate: 107.8
CADM1	Cell Junctions	Mixed		lung: 63.4
CAMK2A		Group enriched	cerebral cortex: 134.7;skeletal muscle: 69.2	heart muscle: 8.8
CAMK2B		Group enriched	cerebral cortex: 99.4;heart muscle: 47.0;skeletal muscle: 44.9	adrenal gland: 10.5
CAMK2D		Expressed in all		heart muscle: 129.3
CD109		Mixed		skin: 16.1
CD200R1		Mixed		spleen: 8.4
CD55	Nucleus	Expressed in all		lung: 222.3
CD86		Mixed		appendix: 35.3
CDH5		Tissue enhanced	placenta: 137.9	lung: 84.1
CKB		Expressed in all		prostate: 589.1
CKM		Tissue enriched	skeletal muscle: 8139.3	heart muscle: 1172.1
CX3CL1	Plasma membrane	Mixed		lung: 54.3
DNAJC19		Expressed in all		kidney: 35.6
EGFR	Plasma membrane, Cytoplasm	Tissue enhanced	placenta: 91.3	skin: 43.2
ENG	Nucleus but not nucleoli, Cytoplasm	Expressed in all		heart muscle: 127.7
FABP3	Golgi apparatus	Group enriched	heart muscle: 2098.6;skeletal muscle: 459.8	kidney: 135.5
FAP		Tissue enhanced	endometrium: 37.1	smooth muscle: 28.3
FASLG		Tissue enhanced	lymph node: 4.9	spleen: 3.1
FGA		Tissue enriched	liver: 4181.2	stomach: 28.1
FGB		Tissue enriched	liver: 4244.6	kidney: 23.5
FGG		Tissue enriched	liver: 3876.1	lung: 30.0
GDF11		Mixed		cerebral cortex: 7.9
GPI	Plasma membrane, Cytoplasm, Nucleus but not nucleoli	Expressed in all		heart muscle: 256.2
GPT		Tissue enhanced	liver: 64.6	skeletal muscle: 35.0
GSN	Cytoskeleton (Actin filaments)	Expressed in all		adipose tissue: 776.7

HDGFRP2	Nucleus but not nucleoli	Expressed in all		testis: 37.1
IGF1R	Vesicles	Expressed in all		fallopian tube: 18.8
IL18BP	Nuclear membrane	Expressed in all		spleen: 49.8
JAG1	Plasma membrane, Golgi apparatus	Expressed in all		placenta: 42.0
KIT		Mixed		thyroid gland: 46.5
LDHB	Cytoplasm	Expressed in all		heart muscle: 1123.5
MAPK12	Nucleus but not nucleoli, Cytoplasm	Tissue enriched	skeletal muscle: 107.8	cerebral cortex: 13.0
MB		Group enriched	heart muscle: 3937.4;skeletal muscle: 5728.1	esophagus: 467.7
MDH1	Centrosome, Cytoplasm	Expressed in all		heart muscle: 872.8
NOTCH1		Expressed in all		skin: 16.4
PIK3CA	Cytoplasm	Expressed in all		adipose tissue: 18.0
PIK3R1	Cytoplasm	Expressed in all		fallopian tube: 83.8
PLA2G2A		Tissue enhanced	rectum: 651.2;small intestine: 869.9	colon: 566.9
PLAT	Cytoskeleton (Actin filaments)	Mixed		urinary bladder: 122.2
PROC		Tissue enriched	liver: 170.7	kidney: 18.9
PSPN		Not detected		fallopian tube: 0.9
RELT	Nucleus but not nucleoli	Tissue enhanced	bone marrow: 61.4	spleen: 14.1
RET	Plasma membrane, Cytoplasm, Vesicles	Tissue enriched	adrenal gland: 18.7	salivary gland: 3.6
RPS7	Cytoplasm, Nucleus	Expressed in all		ovary: 120.4
SEMA6A		Expressed in all		placenta: 39.9
TNFRSF17		Tissue enhanced	tonsil: 41.8	lymph node: 26.1
TPM2		Tissue enriched	skeletal muscle: 6561.6	smooth muscle: 981.0
TNNI2		Tissue enriched	skeletal muscle: 2919.8	esophagus: 101.6
TNNI3		Tissue enriched	heart muscle: 2157.7	skeletal muscle: 6.6