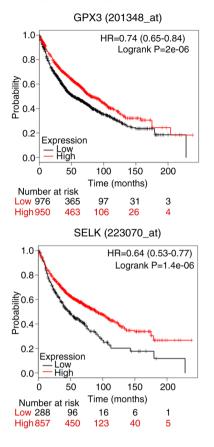
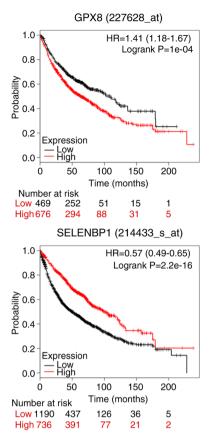
Figure S1. Expression levels of selenoproteome in normal tissues of colon, esophagus, liver, lung and stomach. The brightness in red represents the relative expression levels.

	Expressio	n value of	query ge	nes in GT	Ex datase	et and a second s
VIMP	45.34	40.35	33.36	66.22	43.42	
TXNRD3	3.96	5.17	3.95	5.55	4.13	
TXNRD2	12.58	11.04	20.21	16.31	17.46	
TXNRD1	52.57	61.19	19.99	90.7	48.95	
TRNAU1AP	9.83	11.04	2.89	12.04	7.68	
SEPW1	383.41	302.08	48.89	198.39	169.44	
SEPSECS -	6.68	5.18	12.47	8.26	6.45	
SEPN1 -	55.27	65.92	12.79	95.17	52.68	
SEPHS2	57.46	38.93	248.59	46.13	55.05	
SEPHS1 -	24.12	23.99	19.2	24.31	19.97	
SEP15	80.87	79.64	61.8	147	78.21	
SELV	0.05	0.05	0.01	0.03	0.04	
SELT	34.37	36.47	23.05	46.07	31.23	
SELP	6.57	7.86	1.12	25.25	4.72	
SELO -	34.24	37.9	92.49	48.51	35.6	TDM
SELM	335.98	364.78	13.59	147.47	204.42	TPM
SELK-	49.72	49.33	43.61	66.99	44.78	3000
SELENBP1 .	541.97	96.22	217.24	214.92	195.32	
BELENBP1 SELENBP1 SECISBP2 SCLY	16.69	14.29	8.2	24.37	15.29	2000
Ö SCLY-	6.57	5.91	14.59	5.55	4.4	1000
MSRB3	108.94	96	1.85	48.74	45.54	
MSRB2	40.1	35.69	27.1	25.27	19.84	0
MSRB1	35.41	69.07	102.08	39.58	31.34	
GPX8	9.82	8.91	0.88	14.31	5.92	
GPX7	9.31	7.18	1.9	9.86	5.3	
GPX6	0	0	0	0	0	
GPX5	0	0	0.01	0.01	0	
GPX4	164.29	167.96	200.98	273.62	130.22	
GPX3	841.84	1272.77	543.85	3536.17	648.41	
GPX2	126.58	69.47	298.05	3.89	204.69	
GPX1 -	173.55	215.59	258.23	434.16	142.16	
EPT1 -	7.56	10.84	10.34	10.62	6.67	
DIO3 -	2.97	2.13	3.3	5.81	2.38	
DIO2 -	0.73	33.57	0.05	1.17	2.8	
DIO1 -	0.15	0.2	52.58	0.65	0.15	
C11orf31	79.4	92.17	72.86	109.59	75.14	
	Colon -	Esophagus -	- Liver	- Lung -	Stomach -	

Expression value of query genes in GTEx dataset

Figure S2. The overall survival analysis of GPX3, GPX8, SELENOW, SELENOK, SELENBP1 and SECISBP2 in lung cancer by the Kaplan Meier plotter.





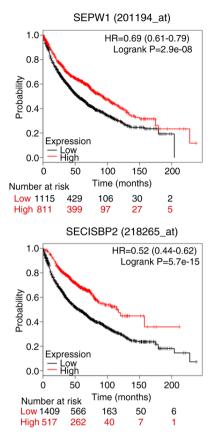


Figure S3. The overall survival analysis of SELENOP, TXNRD1 and SEPHS1 in liver cancer by the Kaplan Meier plotter.

HR=2.01 (1.42-2.86) Logrank P=5.9e-05

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