

Supplementary Table 1

Results of Steel-Dwass multiple testing for fluorescent immunostaining of 4-HNE.

	t	p
A2780-ES2	8.98	4.10E-14
A2780-JHOS2	8.60	5.35E-14
A2780-JHOS4	4.94	1.16E-05
A2780-OVK18	1.70	5.34E-01
A2780-OVTOKO	8.19	7.46E-14
ES2-JHOS2	6.03	2.53E-08
ES2-JHOS4	4.68	4.12E-05
ES2-OVK18	10.28	6.39E-14
ES2-OVTOKO	10.21	5.28E-14
JHOS2-JHOS4	3.89	1.42E-03
JHOS2-OVK18	8.87	4.34E-14
JHOS2-OVTOKO	7.97	1.05E-13
JHOS4-OVK18	4.97	9.77E-06
JHOS4-OVTOKO	4.77	2.77E-05
OVK18-OVTOKO	7.58	5.40E-13

Supplementary Table 2

Results of Tukey's multiple comparison test for detection of intracellular Fe²⁺.

	diff.mean	lwr	upr	adjusted p-value
ES2-A2780	14.95	-36.68	66.57	0.87
JHOS2-A2780	-27.46	-79.08	24.16	0.45
OVK18-A2780	-2.79	-54.42	48.83	1.00
OVTOKO-A2780	25.75	-25.88	77.37	0.51
JHOS2-ES2	-42.40	-94.03	9.22	0.12
OVK18-ES2	-17.74	-69.36	33.88	0.79
OVTOKO-ES2	10.80	-40.82	62.42	0.95
OVK18-JHOS2	24.66	-26.96	76.29	0.54
OVTOKO-JHOS2	53.20	1.58	104.83	0.04*
OVTOKO-OVK18	28.54	-23.08	80.16	0.41

*denotes significant difference.

Abbreviations: diff mean, mean difference; lwr, lower end point of the interval; upr, upper end

point of the interval

Supplementary Table 3

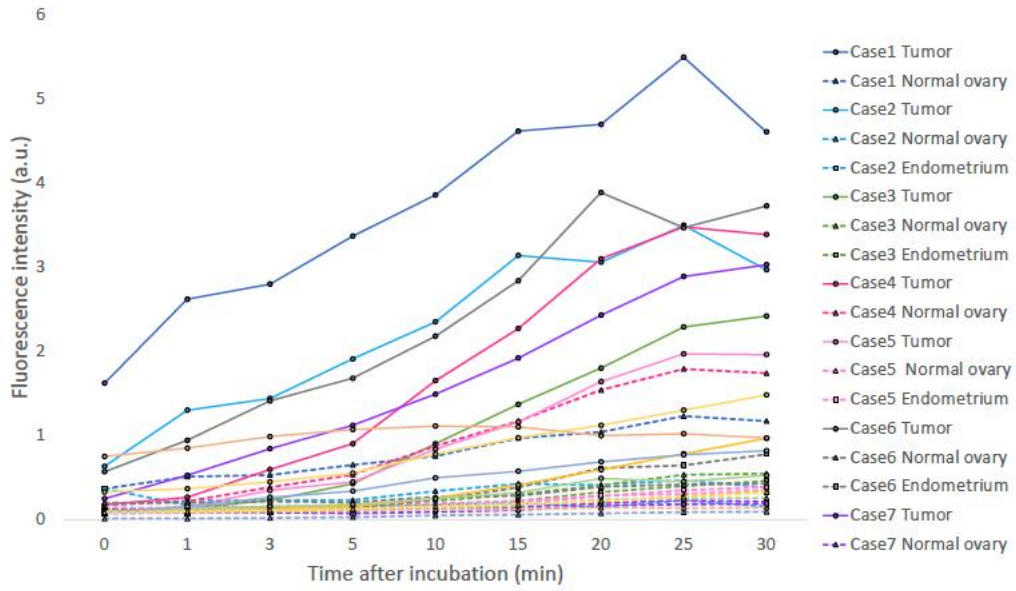
Primers used for quantitative RT-PCR.

Gene	Primer	Template-specific sequence (5'-3')	Annealing Temp. [°C]
<i>GGT1</i>	F	GTGTTCTGCCGGGATAGAAA	55
	R	CAGGTCCTCAGCTGTCACAA	
<i>GLS1</i>	F	AGGTGGTGATCAAAGGGTAAAG	54
	R	TCCATGTCCATAGCTGACAAAG	
<i>GPx4</i>	F	GAGGCAAGACCGAAGTAAACTAC	55
	R	CCGAACTGGTTACACGGGAA	
<i>SLC7A11</i>	F	ATGCAGTGGCAGTGACCTTT	54
	R	GGCAACAAAGATCGGAACTG	
<i>GCLC</i>	F	GGAAGTGGATGTGGACACCAGA	53
	R	GCTTGTAGTCAGGATGGTTTG CG	
<i>hACTB</i>	F	CACACTGTGCCCATCTACGA	55
	R	CTCCTTAATGTCACGCACGA	

Abbreviations: F, forward primer; R, reverse primer

Supplementary Figure 1

Time course of fluorescence intensity in CCC, normal ovary and endometrium samples in 12 cases.



Line colors in the graph indicate each case. Solid lines with circles indicate tumors, dotted lines with triangles indicate normal ovaries, and dotted lines with squares indicate endometrium.