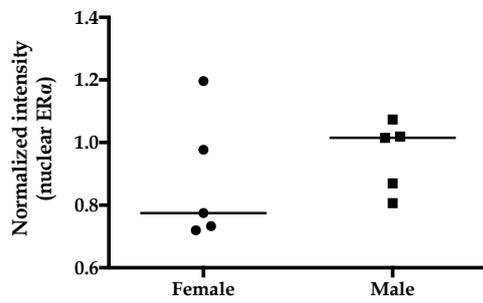
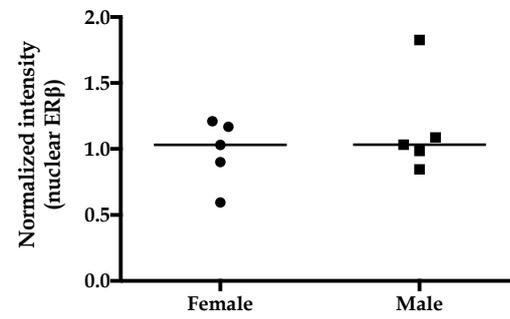


A

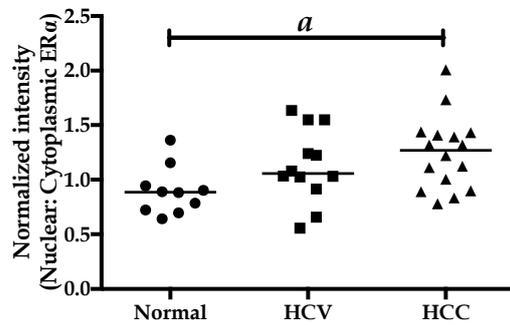


B

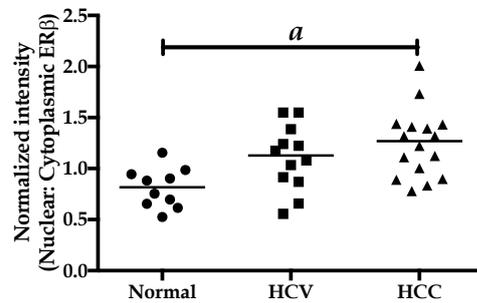


Supplementary Figure 1 Expression of ER subtypes in nuclear tissue lysates from normal subjects. ER α and ER β expression was detected in nuclear fractions of liver tissues from normal subjects by Western blotting and quantified by densitometric analyses using ImageJ. β -actin was used for normalization. The ratio of nuclear expression of ER α (A) and ER β (B) was plotted.

A



B



Supplementary Figure 2 Ratio of nuclear:cytoplasmic expression of ER subtypes from normal and diseased subjects. ER α and ER β expression was detected in nuclear and cytoplasmic fractions of liver tissues from normal, HCV-related cirrhosis (HCV) and HCV-related HCC subjects by Western blotting and quantified by densitometric analyses using ImageJ. β -actin was used for normalization. The ratio of nuclear:cytoplasmic expression of ER α (A) and ER β (B) was plotted. $^aP < 0.05$ was considered significant.

Supplementary Table 1 Grading of normal and diseased liver tissues stained with ER α by immunohistochemistry

Groups	Cytoplasmic						Nuclear			
	<i>n</i>	Sex	Neg	+	++	+++	Neg	+	++	+++
Normal	5	M		3	1	1	4		1	
	2	F	1		1			1	1	
HCV	7	M		3	2	2	1	1	3	2
	3	F			2	1	1		1	1
HCC	10	M			5	5	2	2	2	4
	0	F								

Neg: Negatively stained sample.

Supplementary Table 2 Grading of normal and diseased liver tissues stained with ER β by immunohistochemistry

Groups	Cytoplasmic						Nuclear			
	<i>n</i>	Sex	Neg	+	++	+++	Neg	+	++	+++
Normal	5	M		5				1	2	2
	2	F		1	1			1	1	
HCV	8	M		5	3		7	1		
	3	F	2	1			3			
HCC	10	M		6	4		9	1		
	0	F								

Neg: Negatively stained sample.

Supplementary Table 3 Grading of normal and diseased liver tissues stained with cyclin D1 by immunohistochemistry

Groups	Cytoplasmic						Nuclear			
	<i>n</i>	Sex	Neg	+	++	+++	Neg	+	++	+++
Normal	5	M	1	3	1		5			
	2	F	1		1		1	1		
HCV	6	M			3	3	3	1	1	1
	3	F		2		1	3			
HCC	9	M		1	6	2	7	2		
	0	F								

Neg: Negatively stained sample.