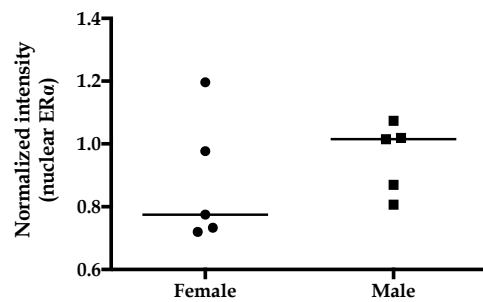
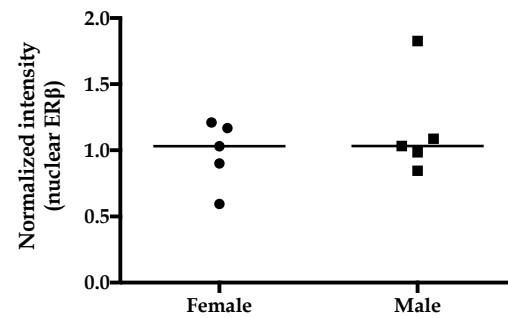


A

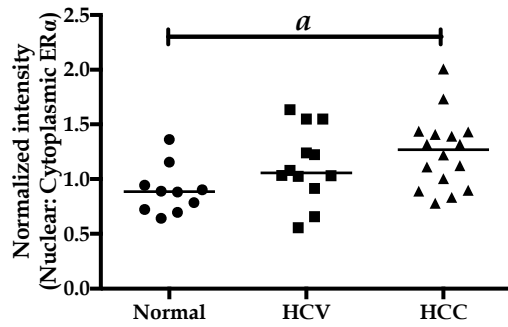


B

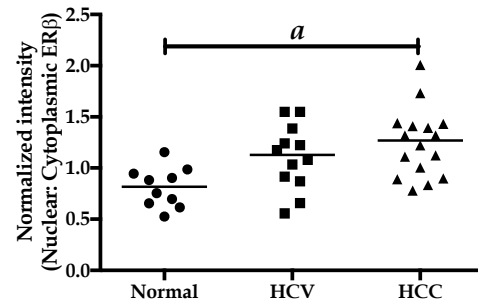


Supplementary Figure 1 Expression of ER subtypes in nuclear tissue lysates from normal subjects. ERα and ERβ expression was detected in nuclear fractions of liver tissues from normal subjects by Western blotting and quantified by densitometric analyses using ImageJ. β-actin was used for normalization. The ratio of nuclear expression of ERα (A) and ERβ (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. ^a $P < 0.05$ 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.