

Figure S1. The clinical subgroup survival curves for patients with HCC presenting with high and low ADGRG2 expression. (A) AFP ≤ 400 ng/ml. (B) AFP > 400 ng/ml.

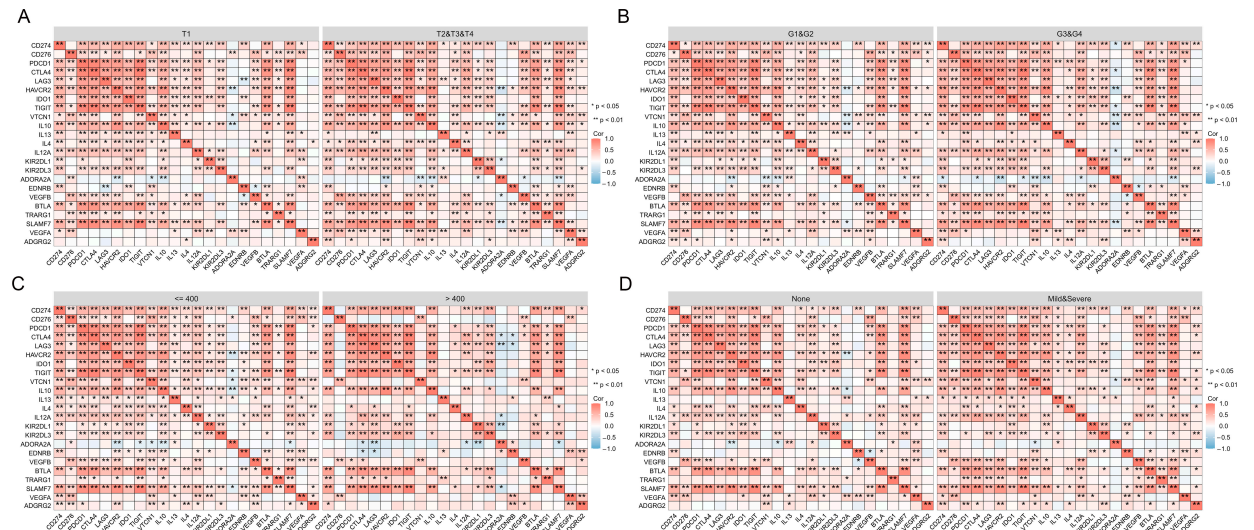


Figure S2. The correlation between immune checkpoints and ADGRG2 in clinical subgroups. (A) Pathologic_T_stage (T1 vs T2&T3&T4). (B) Histologic_grade (G1&G2 vs G3&G4). (C) AFP (≤ 400 ng/ml vs > 400 ng/ml). (D) Adjacent_hepatic_tissue_inflammation (None vs Mild&Severe).

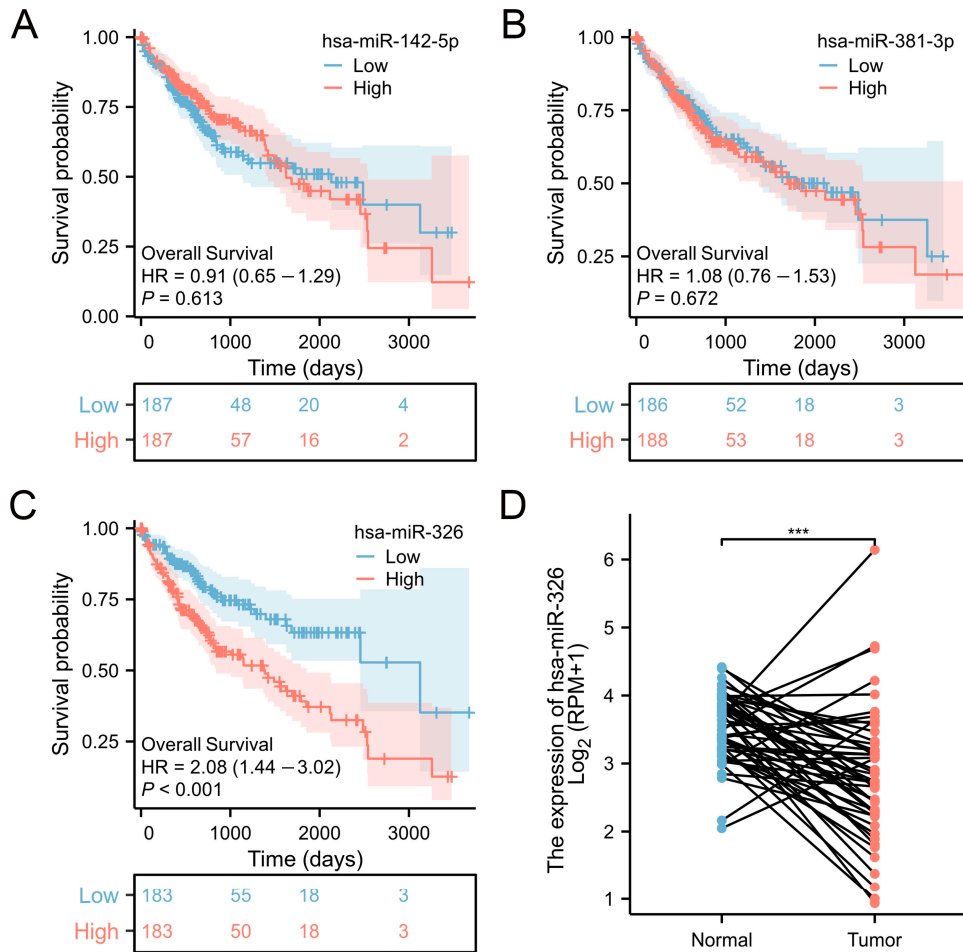


Figure S3. The prognostic value of miRNA expression in patients with HCC. (A-C) miR-142-5p, miR-381-3p, miR-326. (D) The expression of miR-326 in TCGA paired samples.

Table S1. Sixteen NETs-related genes with prognostic potential.

Gene_name	Gene_id	HR	CI	p.Cox
<i>AKT1</i>	ENSG00000142208	1.811	1.272-2.579	0.000992
<i>ATG7</i>	ENSG00000197548	1.768	1.243-2.515	0.001539
<i>S100A9</i>	ENSG00000163220	1.522	1.073-2.157	0.018395
<i>ENO1</i>	ENSG00000074800	1.982	1.390-2.826	0.000157
<i>ACTN4</i>	ENSG00000130402	1.419	1.004-2.006	0.04752
<i>ACTN1</i>	ENSG00000072110	1.444	1.022-2.041	0.037306
<i>ACTG1</i>	ENSG00000184009	1.568	1.106-2.221	0.01143
<i>ACTB</i>	ENSG00000075624	1.472	1.038-2.087	0.030127
<i>TK1</i>	ENSG00000167900	1.457	1.030-2.061	0.033187
<i>MNDA</i>	ENSG00000163563	1.570	1.101-2.239	0.012645
<i>SELP</i>	ENSG00000174175	0.687	0.485-0.973	0.034431
<i>PIK3CA</i>	ENSG00000121879	1.458	1.026-2.072	0.035419
<i>CYBB</i>	ENSG00000165168	1.474	1.037-2.095	0.030489
<i>CXCL8</i>	ENSG00000169429	1.737	1.217-2.477	0.002327
<i>MAPK3</i>	ENSG00000102882	1.777	1.252-2.523	0.001298
<i>MMP9</i>	ENSG00000100985	1.856	1.303-2.643	0.000616

Table S2. Correlation between ADGRG2 expression and chemokines in HCC.

Chemokine	Correlation	<i>p</i> Value	Chemokine	Correlation	<i>p</i> Value
<i>CCL1</i>	0.109	3.55×10^{-2}	<i>CCL26</i>	0.248	1.31×10^{-6}
<i>CCL2</i>	0.137	8.07×10^{-3}	<i>CCL27</i>	-0.005	9.21×10^{-1}
<i>CCL3</i>	0.01	8.41×10^{-1}	<i>CCL28</i>	0.194	1.69×10^{-4}
<i>CCL4</i>	0.062	2.36×10^{-1}	<i>CX3CL1</i>	-0.055	2.93×10^{-1}
<i>CCL5</i>	0.098	5.84×10^{-2}	<i>CXCL1</i>	0.305	1.99×10^{-9}
<i>CCL7</i>	0.062	2.31×10^{-1}	<i>CXCL2</i>	0.122	1.9×10^{-2}
<i>CCL8</i>	0.044	3.97×10^{-1}	<i>CXCL3</i>	0.235	4.87×10^{-6}
<i>CCL11</i>	0.194	1.71×10^{-4}	<i>CXCL5</i>	0.212	3.99×10^{-5}
<i>CCL13</i>	0.1	5.38×10^{-2}	<i>CXCL6</i>	0.275	7.53×10^{-8}
<i>CCL14</i>	-0.071	1.74×10^{-1}	<i>CXCL8</i>	0.305	1.98×10^{-9}
<i>CCL15</i>	0.026	6.22×10^{-1}	<i>CXCL9</i>	0.106	4.11×10^{-2}
<i>CCL16</i>	-0.191	2.08×10^{-4}	<i>CXCL10</i>	0.152	3.26×10^{-3}
<i>CCL17</i>	0.073	1.61×10^{-1}	<i>CXCL11</i>	0.214	3.19×10^{-5}
<i>CCL18</i>	-0.029	5.74×10^{-1}	<i>CXCL12</i>	0.005	9.31×10^{-1}
<i>CCL19</i>	0.099	5.61×10^{-2}	<i>CXCL13</i>	0.223	1.49×10^{-5}
<i>CCL20</i>	0.141	6.56×10^{-3}	<i>CXCL14</i>	0.118	2.25×10^{-2}
<i>CCL21</i>	0.073	1.6×10^{-1}	<i>CXCL16</i>	0.177	6.17×10^{-4}
<i>CCL22</i>	0.11	3.37×10^{-2}	<i>CXCL17</i>	-0.04	4.43×10^{-1}
<i>CCL23</i>	0.026	6.17×10^{-1}	<i>XCL1</i>	0.026	6.24×10^{-1}
<i>CCL24</i>	-0.013	8.06×10^{-1}	<i>XCL2</i>	0.008	9.02×10^{-2}
<i>CCL25</i>	0.094	6.91×10^{-2}			

Table S3. Correlation between ADGRG2 expression and chemokine receptors in HCC.

Chemokine receptor	Correlation	<i>p</i> Value
<i>CCR1</i>	0.17	9.84×10^{-4}
<i>CCR2</i>	0.174	7.51×10^{-4}
<i>CCR3</i>	0.154	5.13×10^{-3}
<i>CCR4</i>	0.151	3.55×10^{-3}
<i>CCR5</i>	0.138	7.78×10^{-3}
<i>CCR6</i>	0.114	2.87×10^{-2}
<i>CCR7</i>	0.051	3.23×10^{-1}
<i>CCR8</i>	0.156	2.67×10^{-3}
<i>CCR9</i>	0.164	1.55×10^{-3}
<i>CCR10</i>	0.094	7.1×10^{-2}
<i>CX3CR1</i>	0.174	7.4×10^{-4}
<i>CXCR1</i>	0.126	1.51×10^{-2}
<i>CXCR2</i>	0.219	2.02×10^{-5}
<i>CXCR3</i>	0.13	1.24×10^{-2}
<i>CXCR4</i>	0.116	2.53×10^{-2}
<i>CXCR5</i>	0.051	3.26×10^{-1}
<i>CXCR6</i>	0.15	3.79×10^{-3}
<i>XCR1</i>	0.135	9.4×10^{-3}

Table S4. Primers for quantitative RT-PCR.

Gene	Forward 5'-3'	Reverse 5'-3'
<i>ADGRG2</i>	ACGAATGGCACCTTAACTGG	ACAGCAGCAGTGTTCCATT
<i>CXCL8</i>	GCAGAGGGTTGTGGAGAAGT	AAGGCAGATACCTAATGACGATT
<i>ENO1</i>	CGAGACCCAGTGGCTAGAAG	ATGGGCTGTGGGTTCTAAGG
<i>PIK3CA</i>	TGGGACCCGATGCGGTTAG	TCACCTGATGATGGTCGTGG
<i>AKT1</i>	CAGCCTGGGTCAAAGAAGTC	CTCACGTTGGTCCACATCCT
<i>ATG7</i>	CTGTGGTTGCCGGAAGTTG	GTCCTTGGGAGCTTCATCC
<i>S100A9</i>	CCTCCCACGAGAAGATGCAC	CCTGGCCTCCTGATTAGTGG
<i>ACTG1</i>	CCGAGCCGTGTTTCCTTCC	GCCATGCTCAATGGGGTACT
<i>GAPDH</i>	CGACCACTTTGTCAAGCTCA	AGGGGTCTACATGGCAACTG