

Figure3C

KYSE150 CELL							
450nm OD value		miR-NC			miR-16-2-3p inhibitor		
	0h	0.231	0.22	0.23	0.207	0.198	0.192
	24h	0.531	0.524	0.498	0.601	0.708	0.652
	48h	1.021	0.986	0.924	1.335	1.528	1.461
	72h	1.256	1.302	1.288	1.579	1.654	1.664
KYSE410 CELL							
450nm OD value		miR-NC			miR-16-2-3p inhibitor		
	0h	0.321	0.305	0.278	0.277	0.281	0.291
	24h	0.355	0.405	0.461	0.761	0.777	0.711
	48h	0.866	0.903	0.826	1.215	1.223	1.108
	72h	1.253	1.187	1.11	1.542	1.555	1.508

Figure3D

KYSE150 CELL					
time	0h		24h		
	group	distance	group	distance	Wound healing
	miR-NC (1)	477	miR-NC (1)	156	67.2955975
	miR-NC (2)	504	miR-NC (2)	140	72.2222222
	miR-NC (3)	503	miR-NC (3)	148	70.5765408
	miR-16-2-3p inhibitor (1)	488	miR-16-2-3p inhibitor (1)	56	88.5245902
	miR-16-2-3p inhibitor (2)	469	miR-16-2-3p inhibitor (2)	40	91.4712154
	miR-16-2-3p inhibitor (3)	514	miR-16-2-3p inhibitor (3)	50	90.2723735
KYSE410 CELL					
time	0h		24h		
	group	distance	group	distance	Wound healing
	miR-NC (1)	388	miR-NC (1)	114	70.6185567
	miR-NC (2)	379	miR-NC (2)	111	70.7124011
	miR-NC (3)	401	miR-NC (3)	102	74.563591
	miR-16-2-3p inhibitor (1)	410	miR-16-2-3p inhibitor (1)	64	84.3902439
	miR-16-2-3p inhibitor (2)	390	miR-16-2-3p inhibitor (2)	50	87.1794872
	miR-16-2-3p inhibitor (3)	400	miR-16-2-3p inhibitor (3)	55	86.25

Figure3E(a,b)

KYSE150 CELL						
group	miR-NC			miR-16-2-3p inhibitor		
Migration cells	303	362	322	506	555	600
KYSE410 CELL						
group	miR-NC			miR-16-2-3p inhibitor		
Migration cells	266	300	241	451	503	488

Figure3E(c,d)

KYSE150 CELL						
group	miR-NC			miR-16-2-3p inhibitor		
Invasion cells	160	182	200	452	400	374
KYSE410 CELL						
group	miR-NC			miR-16-2-3p inhibitor		
Invasion cells	286	224	253	380	423	401

Figure3F

KYSE150 CELL						
	miR-NC			miR-16-2-3p inhibitor		
Q2	3.93	3.69	3.82	0.17	0.21	0.22
Q3	3.23	3.56	3.38	1.28	1.3	1.52
Apoptosis rate(Q2+Q3)	7.16	7.25	7.2	1.45	1.51	1.74
KYSE410 CELL						
	miR-NC			miR-16-2-3p inhibitor		
Q2	2.94	4.4	3.76	0.92	1.08	0.88
Q3	2.48	3.36	3.04	1.38	1.76	1.53
Apoptosis rate(Q2+Q3)	5.42	7.76	6.8	2.3	2.84	2.41

Figure4E

	KYSE150			KYSE410	
	miR-NC	miR-16-2-3p inhibitor		miR-NC	miR-16-2-3p inhibitor
VDAC1-1	385	744	VDAC1-4	393	747
VDAC1-2	396	738	VDAC1-5	405	754
VDAC1-3	390	745	VDAC1-6	399	749
GAPDH-1	1351	1349	GAPDH-4	1386	1383
GAPDH-2	1378	1372	GAPDH-5	1384	1379
GAPDH-3	1380	1373	GAPDH-6	1382	1384

Figure 5A、5B

KYSE150 CELL													
450nm OD value		si-NC			si-ENSG00000253385.1#1			si-ENSG00000253385.1#1 +miR-NC			si-ENSG00000253385.1#1 +miR-16-2-3p inhibitor		
	0h	0.211	0.231	0.256	0.241	0.271	0.27	0.255	0.254	0.36	0.277	0.283	0.274
	24h	0.556	0.603	0.525	0.301	0.322	0.334	0.362	0.303	0.294	0.411	0.389	0.391
	48h	0.856	0.888	0.902	0.412	0.455	0.486	0.492	0.502	0.427	0.613	0.7	0.688
	72h	1.245	1.361	1.307	0.911	1.021	0.954	0.963	0.867	0.805	1.125	1.12	1.086
KYSE410 CELL													
450nm OD value		si-NC			si-ENSG00000253385.1#1			si-ENSG00000253385.1#1 +miR-NC			si-ENSG00000253385.1#1 +miR-16-2-3p inhibitor		
	0h	0.286	0.305	0.272	0.285	0.285	0.283	0.276	0.272	0.264	0.266	0.259	0.253
	24h	0.601	0.622	0.633	0.355	0.367	0.369	0.372	0.358	0.355	0.561	0.479	0.555
	48h	0.999	1.102	1.046	0.621	0.558	0.573	0.604	0.617	0.589	0.894	0.861	0.904
	72h	1.536	1.612	1.666	0.823	0.781	0.777	0.725	0.791	0.744	1.056	0.966	0.905

Figure 5C

KYSE150 CELL				
0h		24h		
group	distance	group	distance	Wound healing
si-NC (1)	482	si-NC (1)	154	68.0497925
si-NC (2)	505	si-NC (2)	133	73.6633663
si-NC (3)	512	si-NC (3)	145	71.6796875
si-ENSG00000253385.1#1 (1)	466	si-ENSG00000253385.1#1 (1)	380	18.4549356
si-ENSG00000253385.1#1 (2)	508	si-ENSG00000253385.1#1 (2)	371	26.9685039
si-ENSG00000253385.1#1 (3)	498	si-ENSG00000253385.1#1 (3)	362	27.3092369
si-ENSG00000253385.1#1+miR-NC (1)	479	si-ENSG00000253385.1#1+miR-NC (1)	374	21.9206681
si-ENSG00000253385.1#1+miR-NC (2)	470	si-ENSG00000253385.1#1+miR-NC (2)	386	17.8723404
si-ENSG00000253385.1#1+miR-NC (3)	513	si-ENSG00000253385.1#1+miR-NC (3)	366	28.6549708
si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (1)	501	si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (1)	202	59.6806387
si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (2)	486	si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (2)	213	56.1728395
si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (3)	493	si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (3)	186	62.2718053
KYSE410 CELL				
0h		24h		
group	distance	group	distance	Wound healing
si-NC (1)	368	si-NC (1)	180	51.0869565
si-NC (2)	350	si-NC (2)	172	50.8571429
si-NC (3)	374	si-NC (3)	155	58.5561497
si-ENSG00000253385.1#1 (1)	362	si-ENSG00000253385.1#1 (1)	278	23.2044199
si-ENSG00000253385.1#1 (2)	404	si-ENSG00000253385.1#1 (2)	286	29.2079208
si-ENSG00000253385.1#1 (3)	414	si-ENSG00000253385.1#1 (3)	264	36.2318841
si-ENSG00000253385.1#1+miR-NC (1)	360	si-ENSG00000253385.1#1+miR-NC (1)	248	31.1111111
si-ENSG00000253385.1#1+miR-NC (2)	386	si-ENSG00000253385.1#1+miR-NC (2)	255	33.9378238
si-ENSG00000253385.1#1+miR-NC (3)	370	si-ENSG00000253385.1#1+miR-NC (3)	271	26.7567568
si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (1)	406	si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (1)	164	59.6059113
si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (2)	344	si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (2)	153	55.5232558
si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (3)	354	si-ENSG00000253385.1#1+miR-16-2-3p inhibitor (3)	176	50.2824859

Figure 5D (a,b)

KYSE150 CELL												
	si-NC			si-ENSG00000253385.1#1			si-ENSG00000253385.1#1 +miR-NC			si-ENSG00000253385.1#1 +miR-16-2-3p inhibitor		
Migration cells	399	352	312	99	105	84	80	92	110	208	225	184
KYSE410 CELL												
	si-NC			si-ENSG00000253385.1#1			si-ENSG00000253385.1#1 +miR-NC			si-ENSG00000253385.1#1 +miR-16-2-3p inhibitor		
Migration cells	328	306	284	141	106	122	137	156	104	300	264	276

Figure 5D (c,d)

KYSE150 CELL												
	si-NC			si-ENSG00000253385.1#1			si-ENSG00000253385.1#1 +miR-NC			si-ENSG00000253385.1#1 +miR-16-2-3p inhibitor		
Invasion cells	162	137	150	38	50	46	33	68	52	125	136	150
KYSE410 CELL												
	si-NC			si-ENSG00000253385.1#1			si-ENSG00000253385.1#1 +miR-NC			si-ENSG00000253385.1#1 +miR-16-2-3p inhibitor		
Invasion cells	286	251	247	125	110	100	145	133	121	263	230	211

Figure 5E

KYSE150 CELL												
	si-NC			si-ENSG00000253385.1#1			si-ENSG00000253385.1#1 +miR-NC			si-ENSG00000253385.1#1 +miR-16-2-3p inhibitor		
Q2	2.87	3.71	3.34	13.4	13.1	5.23	12.6	12.6	15	3.94	6.78	7.1
Q3	4.01	2.15	2.41	5.79	12.2	18.4	12.3	12.1	12.2	9.9	8.31	10.6
Apoptosis rate(Q2+Q3)	6.88	5.86	5.75	19.19	25.3	23.63	24.9	24.7	27.2	13.84	15.09	17.7
KYSE410 CELL												
	si-NC			si-ENSG00000253385.1#1			si-ENSG00000253385.1#1 +miR-NC			si-ENSG00000253385.1#1 +miR-16-2-3p inhibitor		
Q2	3.27	2.94	2.71	10.1	10.1	7.73	7.38	8.55	13.6	5.15	4.55	4.16
Q3	4.55	4.15	3.75	9.77	10.2	7.99	8.37	10.1	9.97	6.13	5.77	6.38
Apoptosis rate(Q2+Q3)	7.82	7.09	6.46	19.87	20.3	15.72	15.75	18.65	23.57	11.28	10.32	10.54

Figure6A,B

	KYSE150					KYSE410			
	si-NC	Si-ENSG00000253385.1	Si-ENSG00000253385.1+miR-NC	Si-ENSG00000253385.1+miR-16-2-3P inhibitor		si-NC	Si-ENSG00000253385.1	Si-ENSG00000253385.1+miR-NC	Si-ENSG00000253385.1+miR-16-2-3P inhibitor
VDAC1-1	476	124	120	289	VDAC1-4	474	138	131	290
VDAC1-2	483	127	126	268	VDAC1-5	480	132	127	291
VDAC1-3	465	129	132	298	VDAC1-6	481	130	131	294
P-RIPK3-1	163	744	746	468	P-RIPK3-4	164	745	746	468
P-RIPK3-2	150	745	745	467	P-RIPK3-5	192	760	756	447
P-RIPK3-3	164	747	746	452	P-RIPK3-6	175	757	758	454
RIPK3-1	747	748	745	745	RIPK3-4	754	756	753	758
RIPK3-2	746	747	748	750	RIPK3-5	750	748	749	750
RIPK3-3	748	750	746	752	RIPK3-6	742	745	746	744
P-MLKL-1	127	442	446	275	P-MLKL-4	145	465	467	295
P-MLKL-2	122	441	443	281	P-MLKL-5	148	428	426	293
P-MLKL-3	124	460	459	307	P-MLKL-6	125	442	456	290
MLKL-1	465	463	460	464	MLKL-4	457	458	467	465
MLKL-2	462	466	461	462	MLKL-5	468	467	466	467
MLKL-3	466	465	466	462	MLKL-6	470	466	467	468
GAPDH-1	1413	1410	1397	1396	GAPDH-4	1654	1655	1652	1648
GAPDH-2	1411	1408	1410	1407	GAPDH-5	1648	1646	1650	1649
GAPDH-3	1409	1396	1394	1402	GAPDH-6	1646	1651	1645	1644