

Day	0	2	4	6	8	10	12	14	16	Tumors
7.5 ug/inj Anti-Cx46 siRNA										
Cage 1										
1	137.5	137.5	125	150	318.5 (E)	-	-	-	-	*
2	NT	162	245	245	234 (E)	-	-	-	-	*
15 ug/inj Anti-Cx46 siRNA										
Cage 2										
3	NT	NT	80	198	269.5 (E)	-	-	-	-	*
4	216	137.5	198	80	343 (E)	-	-	-	-	*
30 ug/inj Anti-Cx46 siRNA										
Cage 3										
5	27	112.5	64	56	27	22.5	22.5	27	27 (E)	*
6	72	180	80	80	80	72	64	64	56 (E)	*
7.5 ug/Inj Negative Control siRNA										
Cage 4										
7	216	180	216	294	318.5	318.5	416	448	448 (E)	*
8	NT	137.5	137.5	180	198	269.5	245	269.5	269.5 (E)	*

Table S1. Calculated volumes (cubic mm) of individual xenograft tumors used the proof-of-concept and dosage pilot study.

Day	1	2	4	6	8	10	12	14	16	18	20	22	24	FINAL TV	Average	WB
Anti-Cx46 siRNA																
Cage 1																
1	NT	NT	NT	NT	6	56	180	288	445.5	600	936	1862 (E)	-	3450		
2	NT	NT	NT	6	48	22.5	8	40	62.5	56	64	144	269.5 (E)	288		
3	8	22.5	27	87.5	100	100	100	125	198	343	480 (E)	-	-	544		
Cage 2																
1	6	8	6	18	87.5	48	32	32	40	32	32 (E)	-	-	80		
2	10	48	100	125	112.5	87.5	87.5	100	100	87.5	87.5 (E)	-	-	198		*
3	NT	NT	NT	48	100	48	56	48	108	72	48	162	320 (E)	324		
Negative Control siRNA																
Cage 3																
1	22.5	48	87.5	196	196	196	256	288	364.5	445.5	486 (E)	-	-	462		
2	NT	NT	22.5	56	87.5	22.5	22.5	18	22.5	27	87.5	144 (E)	-	168		
3	NT	NT	NT	100	112.5	320	600	600	600	847	1470 (E)	-	-	1620		
Cage 4																
1	NT	NT	NT	22.5	27	36	31.5	36	150	294	318.5	416	688.5 (E)	720		
2	NT	NT	NT	40	144	125	216	448	729	950	1210 (E)	-	-	1144		*
3	NT	NT	NT	27	27	27	72	36	87.5	125	137.5	294	480 (E)	520		
Sham-No siRNA																
Cage 5																
1	NT	NT	NT	NT	NT	NT	NT	22.5	48	NT	125	252	367.5 (E)	450		
2	NT	8	22.5	56	100	196	162	180	384	750	1152 (E)	-	-	1360		*
3	NT	NT	NT	27	31.5	72	269.5	294	650	1267.5	1352	1521 (E)	-	1296		
Cage 6																
1	NT	31.5	64	112.5	100	112.5	125	294	416	800	1152 (E)	-	-	1456		
2	NT	56	72	80	125	125	234	112.5	220.5	607.5	1296 (E)	-	-	1365		
3	NT	NT	22.5	64	112.5	100	245	269.5	245	448	526.5	567 (E)	-	480		

Table S2. Calculated volumes (cubic mm) of individual xenograft tumors used in the primary study.