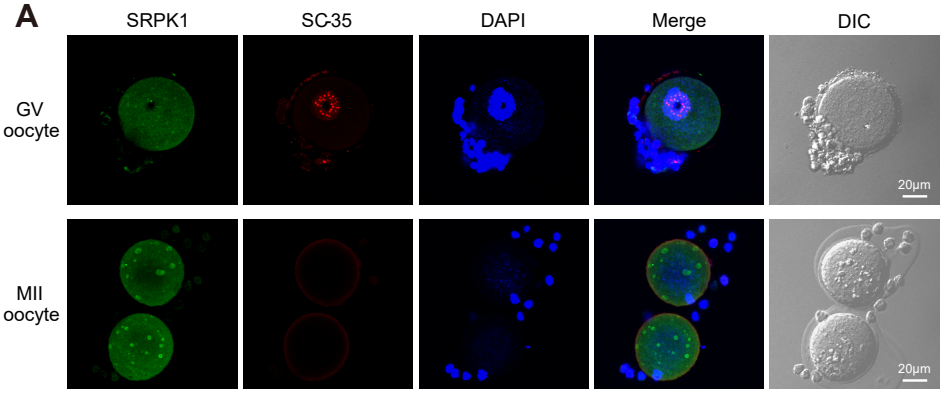
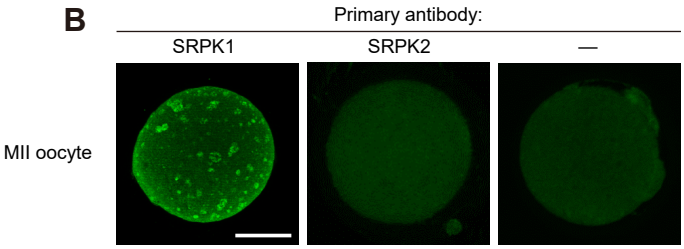
Supplemental Figure 1

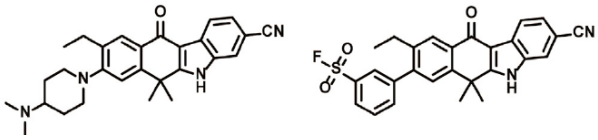
A



B



C

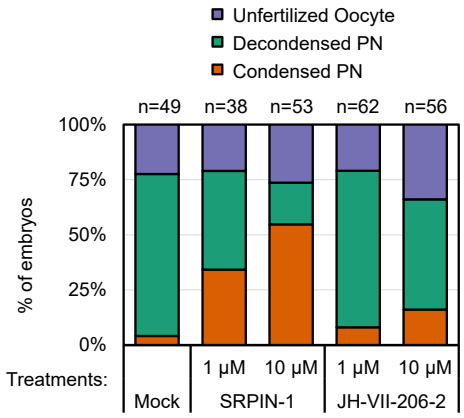


D

	Mock	SRPKIN-1		JH-VII-206-2	
		1 μM	10 μM	1 μM	10 μM
Unfertilized Oocyte	14	19	18	10	22
1-Cell Zygote	4	25	58	8	26
2-Cell Embryo	90	41	16	52	80
2-Cell %	83.3%	48.2%	17.4%	74.3%	62.5%

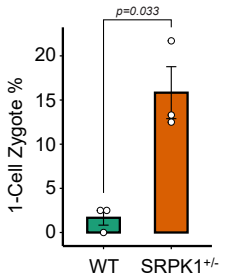
E

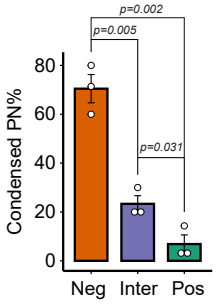
	Mock	SRPKIN-1		JH-VII-206-2	
		1 μM	10 μM	1 μM	10 μM
Unfertilized Oocyte	11	8	14	13	19
Condensed PN	2	13	29	5	9
Decondensed PN	36	17	10	44	28
Condensed PN%	4.1%	34.2%	54.7%	8.1%	16.1%



F

	SRPK1$^{+/-}$			Wild-type		
	#1	#2	#3	#1	#2	#3
Unfertilized Oocyte	3	5	8	4	7	9
1-Cell Zygote	5	4	6	0	1	1
2-Cell Embryo	15	23	31	19	33	28
1-Cell Zygote %	21.7%	12.5%	13.3%	0	2.4%	2.6%



G

	SRPK1 staining intensity (SRPK1$^{+/-}$)								
	Negative			Intermediate			Positive		
	#1	#2	#3	#1	#2	#3	#1	#2	#3
Unfertilized Oocyte	1	2	1	2	4	3	3	7	2
Condensed PN	5	8	3	3	3	2	1	1	2
Decondensed PN	1	0	1	5	8	5	21	35	10
Condensed PN%	71.4%	80%	60%	30%	20%	20%	4%	2.3%	14.3%