Supplement:

Table S1: Quantification of microscope imaging of neuronal cells. Schwann cells and cancer cell lines

	NucBlue			CellRox		
Cell Line	**Control**	**VIN**	**VIN + NIM**	**Control**	**VIN**	**VIN + NIM**
RN33B	100%	24.96%	31.16%	100%	25.17%	40.01%
SW10	100%	18.39%	65.91%	100%	5.49%	8.51%
A549	100%	38.10%	26.53%	100%	50.23%	25.17%
SAS	100%	41.52%	28.03%	100%	42.95%	20.74%
LN229	100%	55.70%	41.68%	100%	43.16%	37.26%

Table S2. Statistical evaluation of the LDH assay for the cell line RN33B

Tukey's multiple comparisons test	**Mean Diff.**	**95.00% CI of diff.**	**Summary**	**Adjusted P Value**
24h				
vehicle vs. 20 µM NIM	-0.2365	-16.41 to 15.94	ns	>0.9999
vehicle vs. 1 µM VCR	-19.68	-35.85 to -3.503	*	0.0147
vehicle vs. 1 µM VCR + 20 µM NIM	-8.578	-24.75 to 7.596	ns	0.4506
20 µM NIM vs. 1 µM VCR	-19.44	-35.61 to -3.266	*	0.0160
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-8.342	-24.52 to 7.832	ns	0.4739
1 µM VCR vs. 1 µM VCR + 20 µM NIM	11.10	-5.076 to 27.27	ns	0.2423
48h				
vehicle vs. 20 µM NIM	0.1485	-16.03 to 16.32	ns	>0.9999
vehicle vs. 1 µM VCR	-57.95	-74.13 to -41.78	****	<0.0001
vehicle vs. 1 µM VCR + 20 µM NIM	-37.65	-53.82 to -21.48	****	<0.0001
20 µM NIM vs. 1 µM VCR	-58.10	-74.28 to -41.93	****	<0.0001
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-37.80	-53.97 to -21.62	****	<0.0001
1 µM VCR vs. 1 µM VCR + 20 µM NIM	20.30	4.130 to 36.48	*	0.0118

* $p < 0.05$; **** $p < 0.0001$; ns, not significant

Table S3. Statistical evaluation of the LDH assay for the cell line SW10

Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Summary	Adjusted P Value
24h				
vehicle vs. 20 µM NIM	-2.197	-10.56 to 6.162	ns	0.8745
vehicle vs. 1 µM VCR	-9.637	-18.00 to -1.277	*	0.0212
vehicle vs. 1 µM VCR + 20 µM NIM	-8.888	-17.25 to -0.5280	*	0.0352
20 µM NIM vs. 1 µM VCR	-7.440	-15.80 to 0.9201	ns	0.0902
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-6.690	-15.05 to 1.669	ns	0.1421
1 µM VCR vs. 1 µM VCR + 20 µM NIM	0.7493	-7.610 to 9.109	ns	0.9938
48h				
vehicle vs. 20 µM NIM	1.286	-7.074 to 9.645	ns	0.9706
vehicle vs. 1 µM VCR	-17.87	-26.23 to -9.515	****	<0.0001
vehicle vs. 1 µM VCR + 20 µM NIM	-3.160	-11.52 to 5.199	ns	0.7053
20 µM NIM vs. 1 µM VCR	-19.16	-27.52 to -10.80	****	<0.0001
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-4.446	-12.81 to 3.914	ns	0.4483
1 µM VCR vs. 1 µM VCR + 20 µM NIM	14.71	6.355 to 23.07	***	0.0006

* $p < 0.05$; *** $p < 0.001$; **** $p < 0.0001$; ns, not significant

Table S4. Statistical evaluation of the LDH assay for the cell line A549

Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Summary	Adjusted P Value
24h				
vehicle vs. 20 µM NIM	1.263	-10.21 to 12.74	ns	0.9888
vehicle vs. 1 µM VCR	0.1741	-11.30 to 11.65	ns	>0.9999
vehicle vs. 1 µM VCR + 20 µM NIM	-5.529	-17.00 to 5.946	ns	0.5296
20 µM NIM vs. 1 µM VCR	-1.088	-12.56 to 10.39	ns	0.9927
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-6.792	-18.27 to 4.683	ns	0.3589
1 µM VCR vs. 1 µM VCR + 20 µM NIM	-5.703	-17.18 to 5.771	ns	0.5045
48h				
vehicle vs. 20 µM NIM	-4.775	-16.25 to 6.700	ns	0.6412
vehicle vs. 1 µM VCR	-30.62	-42.10 to -19.15	****	<0.0001
vehicle vs. 1 µM VCR + 20 µM NIM	-41.45	-52.92 to -29.97	****	<0.0001
20 µM NIM vs. 1 µM VCR	-25.85	-37.32 to -14.37	****	<0.0001
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-36.67	-48.15 to -25.20	****	<0.0001
1 µM VCR vs. 1 µM VCR + 20 µM NIM	-10.82	-22.30 to 0.6509	ns	0.0680

**** $p < 0.0001$; ns, not significant

Table S5. Statistical evaluation of the LDH assay for the cell line SAS

Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Summary	Adjusted P Value
24h				
vehicle vs. 20 µM NIM	-1.051	-3.825 to 1.723	ns	0.7037
vehicle vs. 1 µM VCR	-2.437	-5.211 to 0.3371	ns	0.0957
vehicle vs. 1 µM VCR + 20 µM NIM	-4.752	-7.526 to -1.979	***	0.0008
20 µM NIM vs. 1 µM VCR	-1.385	-4.159 to 1.388	ns	0.5004
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-3.701	-6.475 to -0.9273	**	0.0074
1 µM VCR vs. 1 µM VCR + 20 µM NIM	-2.316	-5.090 to 0.4582	ns	0.1196
48h				
vehicle vs. 20 µM NIM	-2.225	-4.999 to 0.5489	ns	0.1408
vehicle vs. 1 µM VCR	-4.700	-7.474 to -1.926	***	0.0009
vehicle vs. 1 µM VCR + 20 µM NIM	-9.132	-11.91 to -6.358	****	<0.0001
20 µM NIM vs. 1 µM VCR	-2.475	-5.249 to 0.2988	ns	0.0891
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-6.907	-9.681 to -4.133	****	<0.0001
1 µM VCR vs. 1 µM VCR + 20 µM NIM	-4.432	-7.206 to -1.658	**	0.0016

** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$; ns, not significant

Table S6. Statistical evaluation of the LDH assay for the cell line LN229

Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Summary	Adjusted P Value
24h				
vehicle vs. 20 µM NIM	-1.243	-3.500 to 1.014	ns	0.4191
vehicle vs. 1 µM VCR	-10.04	-12.30 to -7.787	****	<0.0001
vehicle vs. 1 µM VCR + 20 µM NIM	-15.42	-17.68 to -13.16	****	<0.0001
20 µM NIM vs. 1 µM VCR	-8.801	-11.06 to -6.544	****	<0.0001
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-14.18	-16.44 to -11.92	****	<0.0001
1 µM VCR vs. 1 µM VCR + 20 µM NIM	-5.378	-7.635 to -3.121	****	<0.0001
48h				
vehicle vs. 20 µM NIM	-2.330	-4.587 to -0.07318	*	0.0418
vehicle vs. 1 µM VCR	-46.72	-48.98 to -44.46	****	<0.0001
vehicle vs. 1 µM VCR + 20 µM NIM	-54.92	-57.18 to -52.67	****	<0.0001
20 µM NIM vs. 1 µM VCR	-44.39	-46.65 to -42.13	****	<0.0001
20 µM NIM vs. 1 µM VCR + 20 µM NIM	-52.59	-54.85 to -50.34	****	<0.0001
1 µM VCR vs. 1 µM VCR + 20 µM NIM	-8.203	-10.46 to -5.946	****	<0.0001

* $p < 0.05$; **** $p < 0.0001$; ns, not significant

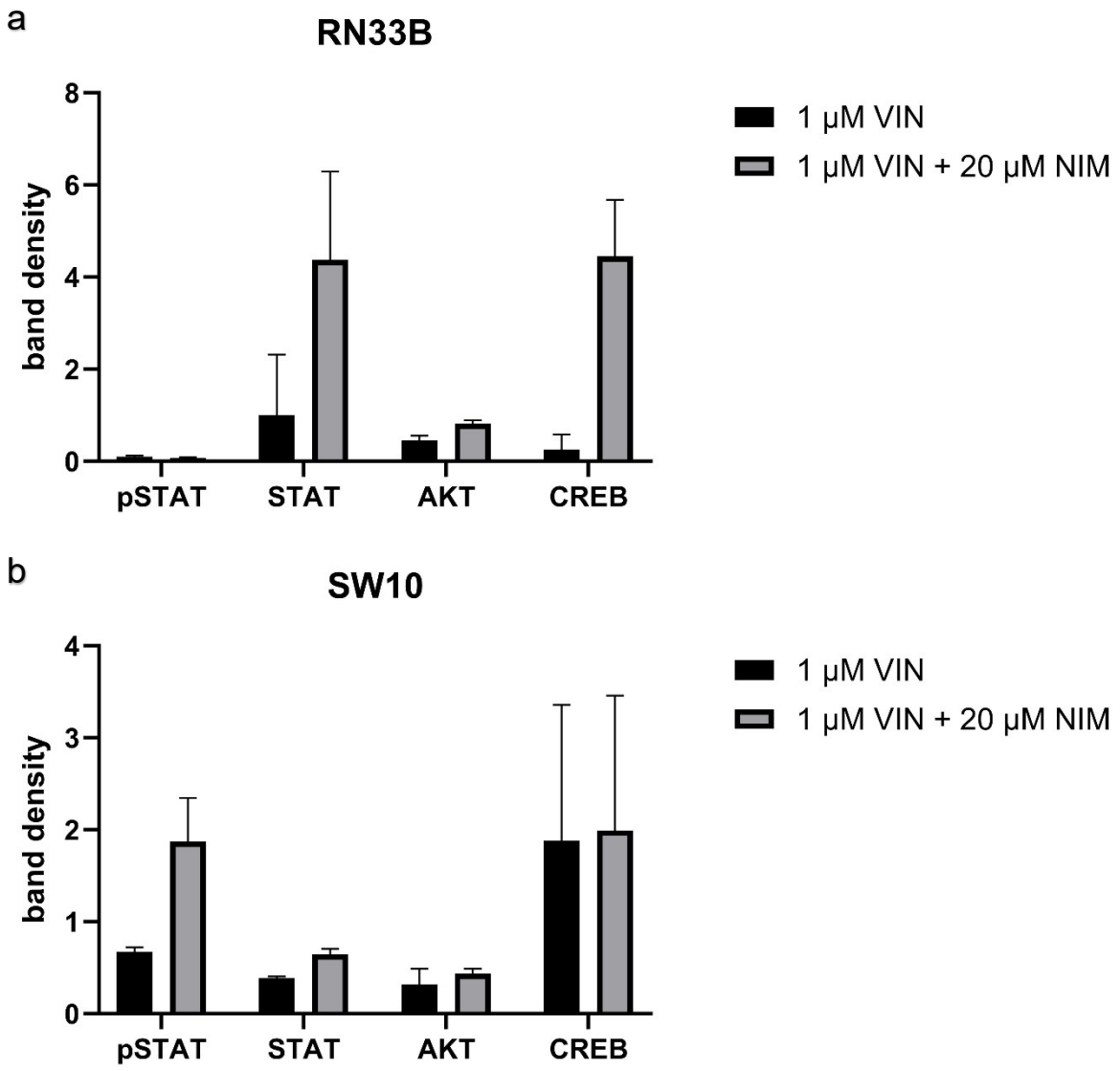

Figure S1: Quantification of pSTAT, STAT, AKT and CREB. Quantification of the bands in RN33B (a) and SW10 (b) was normalized to the GAPDH control. The mean values including standard deviation are shown. Two independent biological replicates were analyzed.

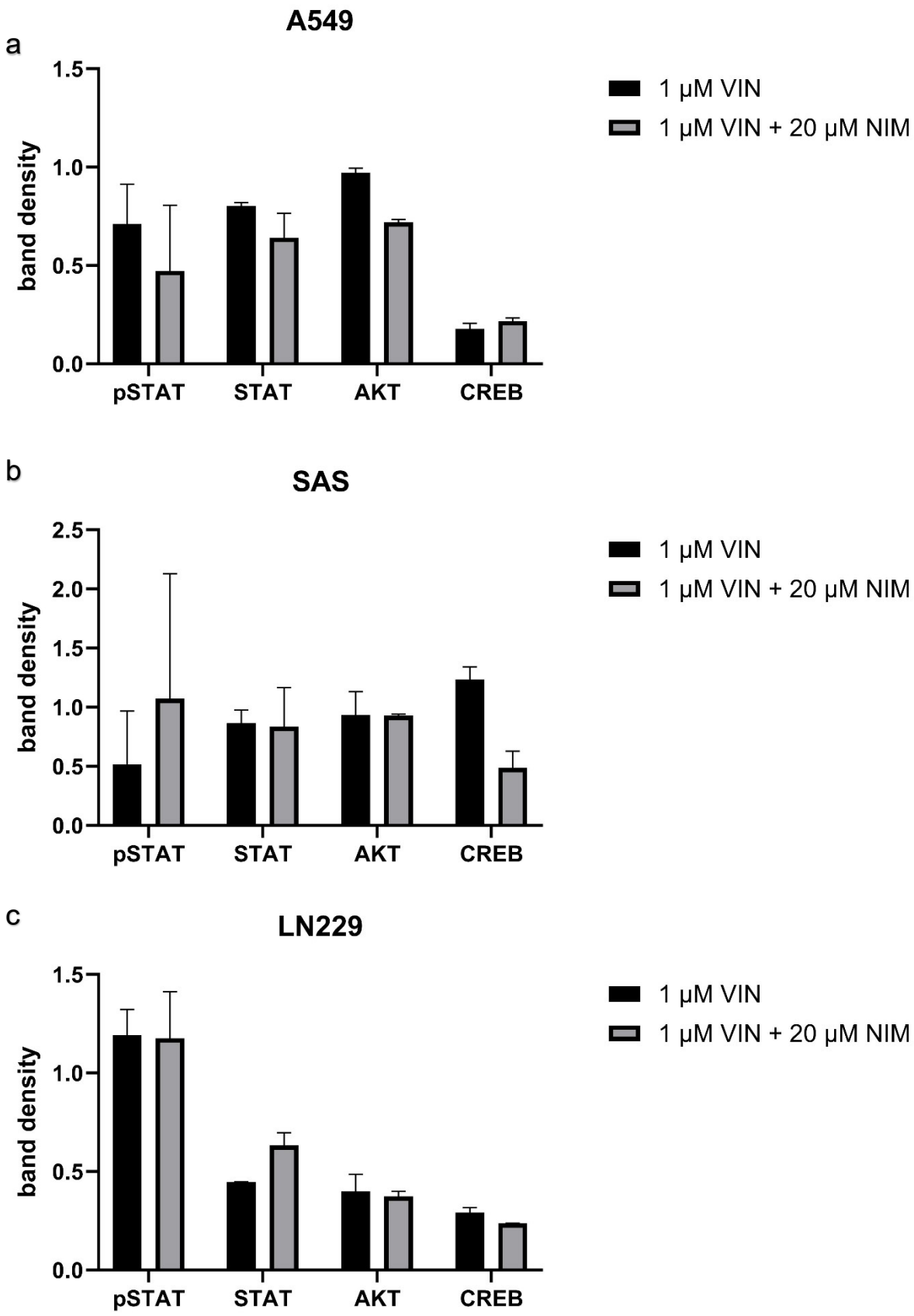

Figure S2: Quantification of pSTAT, STAT, AKT and CREB in A549 (a), SAS (b) and LN229 (c). Quantification of the bands normalized to the GAPDH control. The combination treatment was also normalized to the mon-otherapy. The mean values including deviation are shown. Two independent biological replicates were analyzed.