

SUPPLEMENTARY TABLES

Table 1: Peptides used for antibody generation

name	Used for	status	residues used for immunization	used in Figure
Sra-1A	IF	serum	GST-Sra-1 aa 1-405	1, 5
Sra-1B	WB, IP	affipure	519-CDWETGHEPFNDPALRGEKDPKSGFDIKVPRRAVGPSS-556	2,4,6,S1
Nap1-A	WB	serum	65-(C)-PAVETRNNNQLAQLQKEKSEILKNL-90 and 641-VNKKSkkQTGKKGEPEREKPGVESMRKNRL-670	4,6,S1
Nap1-B	WB	affipure	641-VNKKSkkQTGKKGEPEREKPGVESMRKNRL-670	2,S1
Nap1-C	IF, IP	serum	1117-(C)-HAVYKQSVTSSA-1128	1,2, 5
WAVE1	WB	affipure	286-(C)-GAGDAKPTPTCISSATGLIENRPQ-309	S2
WAVE3	WB	affipure	214-(C)-LRPDNRLSQSVHHGASSEGLSPDTR-239	S2

Table 2: Nucleotide sequences of oligos fused into pSUPER retro for RNAi

Target gene	sequence	length	vector	specificity
Nap1 fwd	GATCCCCCAGATTGCTGCAGCTTTGTTCAAGAGACAAAGCTGCAGCAATCTGGTTTTGGAAA	64	pSup	human and mouse
Nap1 rev	AGCTTTTCCAAAAACAGATTGCTGCAGCTTTGTTCTTTGAACAAAGCTGCAGCAATCTGGGGG	64	PSup	
Sra-1 fwd	GATCCCCGTACTCCAACAAGGACTGCTTCAAGAGACAGCTCCTTGTGGAGTACTTTTTGGAAA	64	PSup	human and mouse
Sra-1 rev	AGCTTTTCCAAAAAGTACTCCAACAAGGACTGCTCTTTGAAGCAGTCCCTGTTGGAGTACGGG	64	PSup	
PIR121 fwd	GATCCCCCTTCGAGGACAGGAATGCATTCAGAGATGCATTCTCTCGAAGTTTTGGAAA	64	PSup	mouse
PIR121 rev	AGCTTTTCCAAAACTTCGAGGACAGGAATGCATCTCTTGAATGCATTCTCTCGAAGGGG	64	pSup	

Table 3 A: Values from lamellipodia quantification in Figure 4 and 6

	# lam	# amb.	# w/o	Σ	% Lam	% amb.	% w/o	± lam	± amb	± w/o
	Total cells counted				Mean of cells counted (%)			Stanard error of mean		
B16-F1 + AIF4				1717						
Control	482	49	59	590	80,373	9,222	10,345	7,294	2,723	4,847
Sra-1/PIR121	144	88	324	556	25,087	15,832	58,361	5,731	3,852	8,525
Nap1	68	55	449	572	11,459	9,794	76,696	4,848	0,812	4,588
VA-13 + EGF				4507						
Control	1248	48	231	1527	81,97	3,15	14,89	1,74	0,32	1,81
Sra-1	440	82	1049	1571	27,26	5,07	67,68	2,47	0,7	3,11
Nap1	179	47	1183	1409	12,26	3,60	84,14	1,75	1,28	1,89
VA-13 + PDGF				3794						
Control	1297	45	189	1531	84,85	3,32	11,82	0,80	1,23	1,97
Sra-1	495	67	725	1287	36,52	6,84	56,65	2,63	2,19	0,65
Nap1	138	39	799	976	13,33	4,38	82,29	1,19	0,67	0,62

Table 3B: Values from lamellipodia quantification in Figure 5

	# lam	# w/o	Σ	% Lam	% w/o	± lam	± w/o
B16-F1 + AIF			689				
Nap1	44	285	329	13,42	86,58	0,68	0,68
Nap1 + GFP-WAVE2	30	330	360	8,31	91,69	1,70	1,70

Table 3 Values are given as total numbers (#) or means of the percentage (%) of counted cells from three independent quantifications and standard errors of mean (±) displaying the following morphologies: **lam**, cells with lamellipodia or membrane ruffles; **amb**, cells with ambiguous morphology; **w/o**, cells without lamellipodia. (Σ: sum of all cells counted).

The scale bar represents 10 μm