

Table S1. Antibodies used for the different experiments in this report

Antibody (RRID)	Host Species	Vendor	Catalog Number	IB	IF
β-actin (AB_2714189) ^[1]	Mouse	Santa Cruz Biotechnology	sc-47778	1:500	—
α-Tubulin (AB_2241126) ^[2]	Mouse	Abcam	ab7291	1:1000	1:200
GAPDH (AB_2107448) ^[3]	Mouse	Abcam	ab8245	1:1000	—
Detyrosinated α-tubulin (AB_869990) ^[4]	Rabbit	Abcam	ab48389	1:1000	—
Prickle1 (AB_443207) ^[5]	Rabbit	Abcam	ab15577	1:1000	—
Arp3 (AB_476749) ^[6]	Mouse	Sigma-Aldrich	A5979	1:3000	1:200
Eps8 (AB_397544) ^[7]	Mouse	BD Biosciences	610143	1:5000	—
β-Tubulin (AB_2210370) ^[8]	Rabbit	Abcam	ab6046	1:5000	1:200
Acetylated α-tubulin (AB_448182) ^[9]	Mouse	Abcam	ab24610	1:2000	—
Tyrosinated α-tubulin (AB_261811) ^[10]	Mouse	Sigma-Aldrich	T9028	1:1000	—
rpS6 (AB_331355) ^[11]	Rabbit	Cell Signaling Technology	2217	1:1000	—
p-rpS6 S235/S236 (AB_916156) ^[12]	Rabbit	Cell Signaling Technology	4858	1:1000	—
p-rpS6 S240/S244 (AB_10694233) ^[13]	Rabbit	Cell Signaling Technology	5364	1:1000	1:100
EB1 (AB_10989267) ^[14]	Mouse	Santa Cruz Biotechnology	sc-374474	—	1:300
EB1 (AB_2141629) ^[15]	Rabbit	Santa Cruz Biotechnology	sc-15347	1:200	—
MAP1a (AB_10903974) ^[16]	Rabbit	Abcam	ab101224	1:300	1:200
MAP2 (AB_2137880) ^[17]	Rabbit	Proteintech Group	17490-1-AP	1:500	—
MARK4 (AB_2140610) ^[18]	Rabbit	Proteintech Group	20174-1-AP	1:500	—
CAMSAP2 (AB_2068826) ^[19]	Rabbit	Proteintech Group	17880-1-AP	1:500	1:100
MARK2 (AB_2140752) ^[20]	Rabbit	Proteintech Group	15492-1-AP	1:2000	—
FAK (AB_2300502) ^[21]	Rabbit	Santa Cruz Biotechnology	sc-558	1:300	—
p-FAK-Tyr407 (AB_2533708) ^[22]	Rabbit	Invitrogen	44650G	1:500	—
p-FAK-Tyr397 (AB_15000960) ^[23]	Rabbit	Invitrogen	44625G	1:1000	—
mTOR (AB_2105622) ^[24]	Rabbit	Cell Signaling Technology	2983	1:2000	—
Raptor (AB_561245) ^[25]	Rabbit	Cell Signaling Technology	2280	1:1000	—
Rabbit IgG-HRP (AB_634837) ^[26]	Bovine	Santa Cruz Biotechnology	sc-2370	1:3000	—
Mouse IgG-HRP (AB_634824) ^[27]	Bovine	Santa Cruz Biotechnology	sc-2371	1:3000	—
Mouse IgG Alexa Fluor 488 (AB_2534088) ^[28]	Goat	Thermo Fisher Scientific	A-11029	—	IF (1:250)
Mouse IgG Alexa Fluor 555 (AB_141780) ^[29]	Goat	Thermo Fisher Scientific	A-21424	—	IF (1:250)
Rabbit IgG Alexa Fluor 488 (AB_2576217) ^[30]	Goat	Thermo Fisher Scientific	A-11034	—	IF (1:250)
Rabbit IgG Alexa Fluor 555 (AB_2535850) ^[31]	Goat	Thermo Fisher Scientific	A-21429	—	IF (1:250)

- [1]. β -actin. RRID:AB_2714189, http://antibodyregistry.org/AB_2714189.
- [2]. α -tubulin. RRID:AB_2241126, http://antibodyregistry.org/AB_2241126.
- [3]. GAPDH. RRID:AB_2107448, http://antibodyregistry.org/AB_2107448.
- [4]. α -tubulin D. RRID:AB_869990, http://antibodyregistry.org/AB_869990.
- [5]. Prickle1. RRID:AB_443207, http://antibodyregistry.org/AB_443207.
- [6]. Arp3. RRID:AB_476749, http://antibodyregistry.org/AB_476749.
- [7]. Eps8. RRID:AB_397544, http://antibodyregistry.org/AB_397544.
- [8]. α -tubulin. RRID:AB_2210370, http://antibodyregistry.org/AB_2210370.
- [9]. α -tubulin A. RRID:AB_448182, http://antibodyregistry.org/AB_448182.
- [10]. α -tubulin T. RRID:AB_261811, http://antibodyregistry.org/AB_261811.
- [11]. rpS6. RRID:AB_331355, http://antibodyregistry.org/AB_331355.
- [12]. S235/S236 p-r. RRID:AB_916156, http://antibodyregistry.org/AB_916156.
- [13]. S240/S244 p-r. RRID:AB_10694233, http://antibodyregistry.org/AB_10694233.
- [14]. EB1. RRID:AB_10989267, http://antibodyregistry.org/AB_10989267.
- [15]. EB1. RRID:AB_2141629, http://antibodyregistry.org/AB_2141629.
- [16]. Map1a. RRID:AB_10903974, http://antibodyregistry.org/AB_10903974.
- [17]. MAP2. RRID:AB_2137880, http://antibodyregistry.org/AB_2137880.
- [18]. MARK4. RRID:AB_2140610, http://antibodyregistry.org/AB_2140610.
- [19]. CAMSAP2. RRID:AB_2068826, http://antibodyregistry.org/AB_2068826.
- [20]. MARK2. RRID:AB_2140752, http://antibodyregistry.org/AB_2140752.
- [21]. FAK. RRID:AB_2300502, http://antibodyregistry.org/AB_2300502.
- [22]. p-FAK-Tyr407. RRID:AB_2533708, http://antibodyregistry.org/AB_2533708.
- [23]. p-FAK-Tyr397. RRID:AB_1500096, http://antibodyregistry.org/AB_1500096.
- [24]. mTOR. RRID:AB_2105622, http://antibodyregistry.org/AB_2105622.
- [25]. Raptor. RRID:AB_561245, http://antibodyregistry.org/AB_561245.
- [26]. Rabbit-IgG-HRP. RRID:AB_634837, http://antibodyregistry.org/AB_634837.
- [27]. Mouse-IgG-HRP. RRID:AB_634824, http://antibodyregistry.org/AB_634824.
- [28]. MouseIgG-AlexaFluor488. RRID:AB_2534088, http://antibodyregistry.org/AB_2534088.
- [29]. MouseIgG-AlexaFluor555. RRID:AB_141780, http://antibodyregistry.org/AB_141780.
- [30]. RabbitIgG-AlexaFluor488. RRID:AB_2576217, http://antibodyregistry.org/AB_2576217.
- [31]. RabbitIgG-AlexaFluor555. RRID:AB_2535850, http://antibodyregistry.org/AB_2535850.