

**Supplementary Table 3.**

Antibody type	Clonality	Target	Host	Company	Reference #	Lot	Dilution
Primary	Polyclonal	Akt	Rabbit	Cell Signaling	9272	25	1:500
Primary	Monoclonal (clone D9E)	Phospho(Ser <sup>473</sup> )-Akt	Rabbit	Cell Signaling	4060	19	1:500
Primary	Monoclonal (clone 54D2)	S6	Mouse	Cell Signaling	2317	4	1:250
Primary	Monoclonal (clone D57.2.2E)	Phospho(Ser <sup>235/236</sup> )-S6	Rabbit	Cell Signaling	4858	11	1:250
Primary	Monoclonal (clone 4G-1E)	GSK3 $\alpha/\beta$	Mouse	Merck Millipore	05-412	2303952	1:500
Primary	Polyclonal	Phospho(Ser <sup>21/9</sup> )-GSK3 $\alpha/\beta$	Rabbit	Cell Signaling	9331	15	1:250
Primary	Polyclonal	$\beta$ -actin	Rabbit	Abcam	ab8227	133004	1:20,000
Primary	Monoclonal (clone AC-15)	$\beta$ -actin	Mouse	Sigma Aldrich	A1978	104K4787	1:200,000
Secondary	Polyclonal	Alexa Fluor 680 anti-Rabbit IgG (H+L)	Goat	Thermo Fisher Sc.	A21076	47704A	1:4,000
Secondary	Polyclonal	Alexa Fluor 680 anti-Mouse IgG (H+L)	Goat	Thermo Fisher Sc.	A21057	44888A	1:4,000
Secondary	Polyclonal	IRDye 800 Anti-Rabbit IgG (H+L)	Donkey	Rockland Immunoc.	611-732-127	22882	1:5,000 - 1:20,000
Secondary	Polyclonal	IRDye 800 Anti-Mouse IgG (H+L)	Donkey	Rockland Immunoc.	610-731-124	18249	1:5,000 - 1:10,000

**Details of the antibodies used and their dilutions for human PFC experiments**

Antibody type	Clonality	Target	Host	Company	Reference #	Lot	Dilution
Primary	Polyclonal	Akt	Rabbit	Cell Signaling	9272	25	1:500
Primary	Monoclonal (clone D9E)	Phospho(Ser <sup>473</sup> )-Akt	Rabbit	Cell Signaling	4060	19	1:500
Primary	Monoclonal (clone 54D2)	S6	Mouse	Cell Signaling	2317	4	1:500
Primary	Monoclonal (clone D57.2.2E)	Phospho(Ser <sup>235/236</sup> )-S6	Rabbit	Cell Signaling	4858	11	1:500
Primary	Monoclonal (clone 4G-1E)	GSK3 $\alpha/\beta$	Mouse	Merck Millipore	05-412	2303952	1:500
Primary	Polyclonal	Phospho(Ser <sup>21/9</sup> )-GSK3 $\alpha/\beta$	Rabbit	Cell Signaling	9331	15	1:500
Primary	Polyclonal	$\beta$ -actin	Rabbit	Abcam	ab8227	133004	1:20,000
Primary	Monoclonal (clone AC-15)	$\beta$ -actin	Mouse	Sigma Aldrich	A1978	104K4787	1:100,000
Secondary	Polyclonal	Alexa Fluor 680 anti-Rabbit IgG (H+L)	Goat	Thermo Fisher Sc.	A21076	47704A	1:4,000 - 1:5,000
Secondary	Polyclonal	Alexa Fluor 680 anti-Mouse IgG (H+L)	Goat	Thermo Fisher Sc.	A21057	44888A	1:4,000 - 1:5,000
Secondary	Polyclonal	Dylight 800 Anti-Rabbit IgG (H+L)	Donkey	Rockland Immunoc.	611-745-127	22882	1:5,000 - 1:10,000
Secondary	Polyclonal	Dylight 800 Anti-Mouse IgG (H+L)	Donkey	Rockland Immunoc.	610-745-002	23294	1:5,000 - 1:10,000

**Details of the antibodies used and their dilutions for rat cortex experiments**

IgG = Immunoglobulin G; H+L = heavy and low chains; Immunoc. = Immunochemicals; Sc. = Scientific.