

TABLE S1**List of primary and secondary antibodies**

Name	Species	Company	Catalog #	Dilution
Phospho Insulin receptor β (Tyr 1150)	Rabbit	Abcam	#ab5681	1:1000 (tissue) 1:500 (cells)
Insulin receptor β	Rabbit	Cell Signaling Technology	CST #3020	1:1000 (tissue) 1:500 (cells)
Phospho AKT (Ser 473)	Rabbit	Cell Signaling Technology	CST #9271	1:1000 (tissue) 1:500 (cells)
AKT	Rabbit	Cell Signaling Technology	CST #9272	1:1000 (tissue) 1:500 (cells)
Phospho FOXO1 (Ser 256)	Rabbit	Cell Signaling Technology	CST #9461	1:500 (both tissue and cells)
FOXO1	Rabbit	Cell Signaling Technology	CST #2880	1:500 (both tissue and cells)
Phospho GSK3 β (Ser 9)	Rabbit	Cell Signaling Technology	CST #5558	1:1000 (both tissue and cells)
GSK3 β	Rabbit	Cell Signaling Technology	CST #9315	1:2000 (tissue) 1:1000 (cells)
α -tubulin	Rabbit	Cell Signaling Technology	CST #2144S	1:2000 (tissue)
Na ⁺ /K ATPase	Rabbit	Cell Signaling Technology	CST #3010S	1:1000 (tissue)
Calnexin	Rabbit	Proteintech	10427-2-AP	1:3000 (tissue)
Syntaxin 6	Rabbit	Cell Signaling Technology	C34B2	1:500 (tissue)
IRDye® 800CW secondary antibody	Rabbit	LI-COR Biosciences	929-08972	1:10000
Peroxidase Donkey Anti-Rabbit IgG	Rabbit	Jackson ImmunoResearch	711-035-152	1:4000