

Table S1. Used *TaqMan*[®] probes

Gene and exon in which the probe binds	Probe code
<i>CAPN3</i> Ex1-2	Hs00181057_m1
<i>FOS</i> Ex1-2	Hs99999140_m1
<i>ITGB1BP2</i> Ex4-5	Hs00183746_m1
<i>ANOS1</i> Ex2-3	Hs01085107_m1
<i>GAPDH</i> Ex2	Hs99999905_m1

Table S2. Used antibody list

Primary Antibody	Manufacturer	Reference
GAPDH	Cell Signaling Technology	#2118
β -catenin	Santa Cruz Biotechnology	SC-7963
GSK-3 β	Cell Signaling Technology	#9315
Phospho-GSK-3 β (Ser9)	Cell Signaling Technology	#9323
Active- β -Catenin	Milipore	05-665
Akt	Cell Signaling Technology	#9272
Phospho-Akt (Ser473)	Cell Signaling Technology	#4060
mTOR	Cell Signaling Technology	#2983
Phospho-mTOR (Ser2448) [Cells]	Cell Signaling Technology	#2971
Phospho-mTOR (Ser2448) [Muscle]	Cell Signaling Technology	#5536
Phospho-mTOR (Ser2481)	Cell Signaling Technology	#2974
p70 S6 Kinase	Cell Signaling Technology	#2708
Phospho-p70 S6 Kinase (Thr421/Ser424)	Cell Signaling Technology	#9204
Phospho-p70 S6 Kinase (Thr389) [Cells]	Cell Signaling Technology	#9205
Phospho-p70 S6 Kinase (Thr389) [Muscle]	Cell Signaling Technology	#9234
Phospho-S6 Ribosomal Protein (Ser235/236)	Cell Signaling Technology	#2211
AMPK α	Cell Signaling Technology	#2532
Integrin β 1D	Milipore	MAB1900
Melusin	Abcam	SC-133780
Phospho-AMPK α (Thr172)	Cell Signaling Technology	#2531
Secondary Antibody	Manufacturer	Reference
Anti-rabbit IgG, HRP-linked	Cell Signaling Technology	#7074
Anti-mouse IgG, HRP-linked	DAKO	P0260

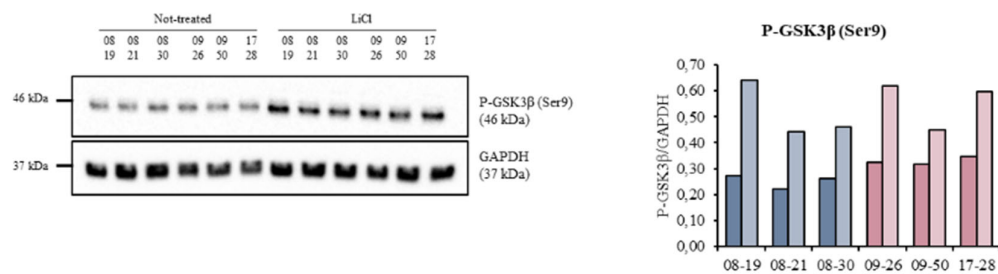


Figure S1. Análisis del efecto en fibroblastos con tratamiento con Li (P-GSK3β en Ser9)

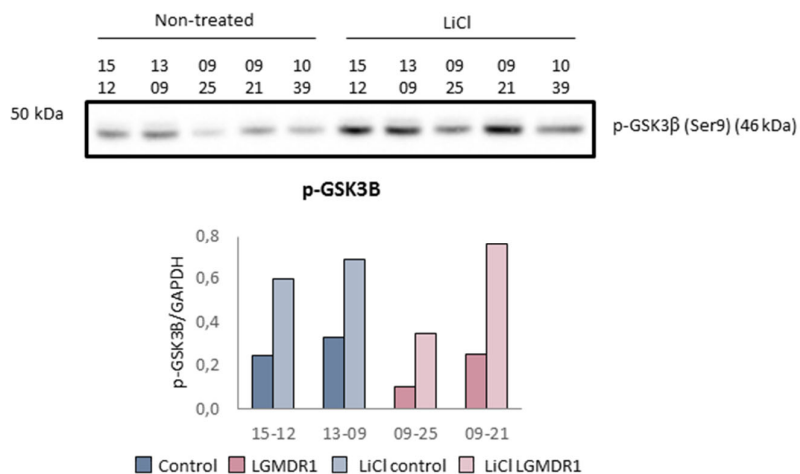


Figure S2. Análisis del efecto en CD56- con tratamiento con Li (P-GSK3β en Ser9)