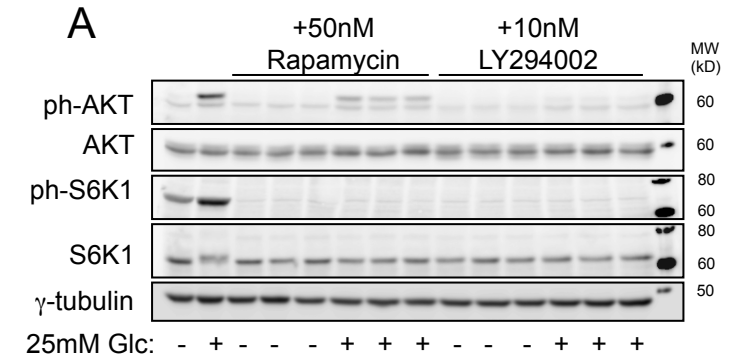
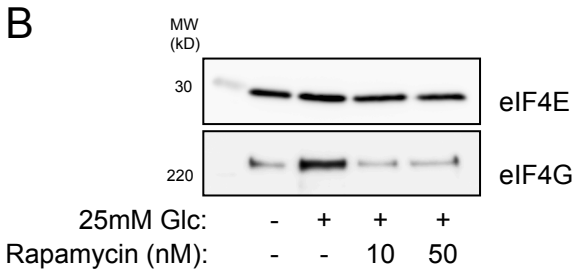
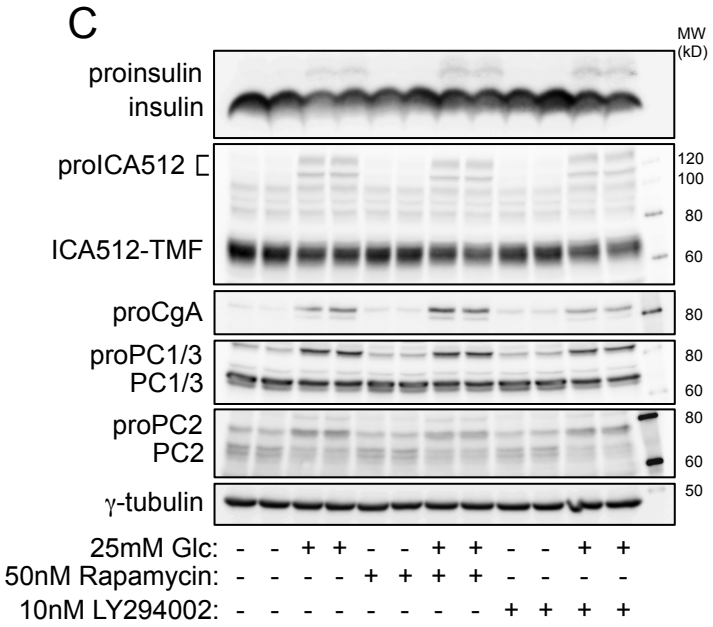
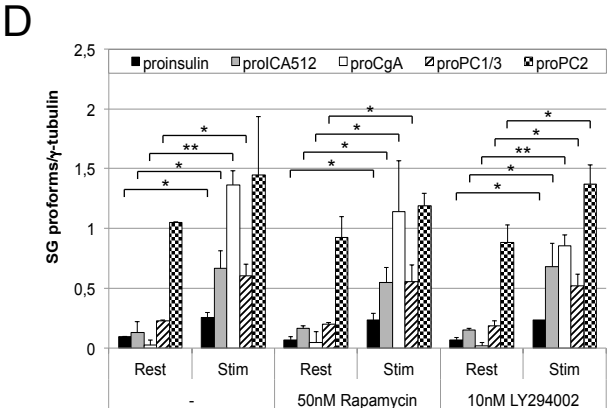
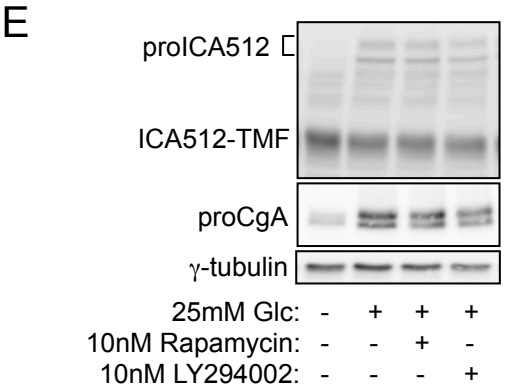
Figure S3

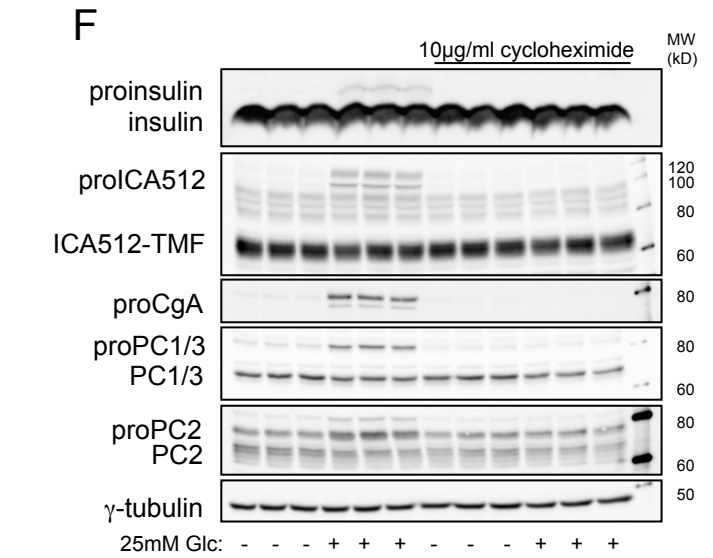

A
+50nM Rapamycin
+10nM LY294002
MW (kD)
ph-AKT
AKT
ph-S6K1
S6K1
γ-tubulin
60
60
80
60
80
60
50
25mM Glc: - + - - - + + + - - - + + +

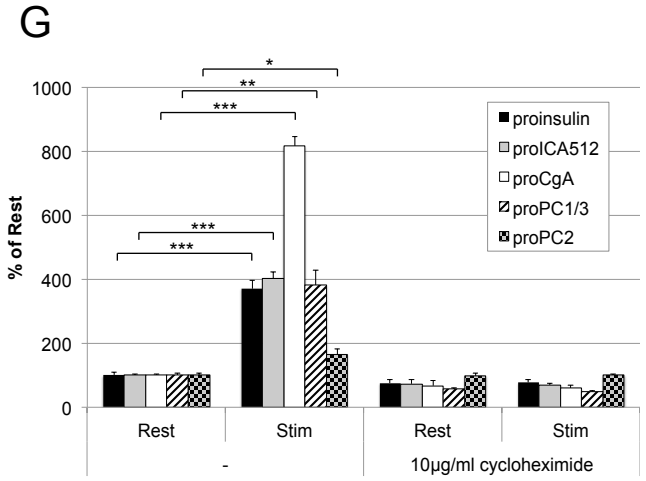

B
MW (kD)
30
220
eIF4E
eIF4G
25mM Glc: - + + +
Rapamycin (nM): - - 10 50


C
MW (kD)
proinsulin
insulin
proICA512
ICA512-TMF
proCgA
proPC1/3
PC1/3
proPC2
PC2
γ-tubulin
120
100
80
60
80
80
60
80
60
50
25mM Glc: - - + + - - + + - - + +
50nM Rapamycin: - - - - + + + + - - - -
10nM LY294002: - - - - - - - - + + + +


D
proinsulin
proICA512
proCgA
proPC1/3
proPC2
SG proforms/γ-tubulin
2,5
2
1,5
1
0,5
0
Rest
Stim
Rest
Stim
Rest
Stim
-
50nM Rapamycin
10nM LY294002


E
proICA512
ICA512-TMF
proCgA
γ-tubulin
25mM Glc: - + + +
10nM Rapamycin: - - + -
10nM LY294002: - - - +


F
10μg/ml cycloheximide
MW (kD)
proinsulin
insulin
proICA512
ICA512-TMF
proCgA
proPC1/3
PC1/3
proPC2
PC2
γ-tubulin
120
100
80
60
80
80
60
80
60
50
25mM Glc: - - - + + + - - - + + +


G
% of Rest
1000
800
600
400
200
0
proinsulin
proICA512
proCgA
proPC1/3
proPC2
Rest
Stim
Rest
Stim
-
10μg/ml cycloheximide