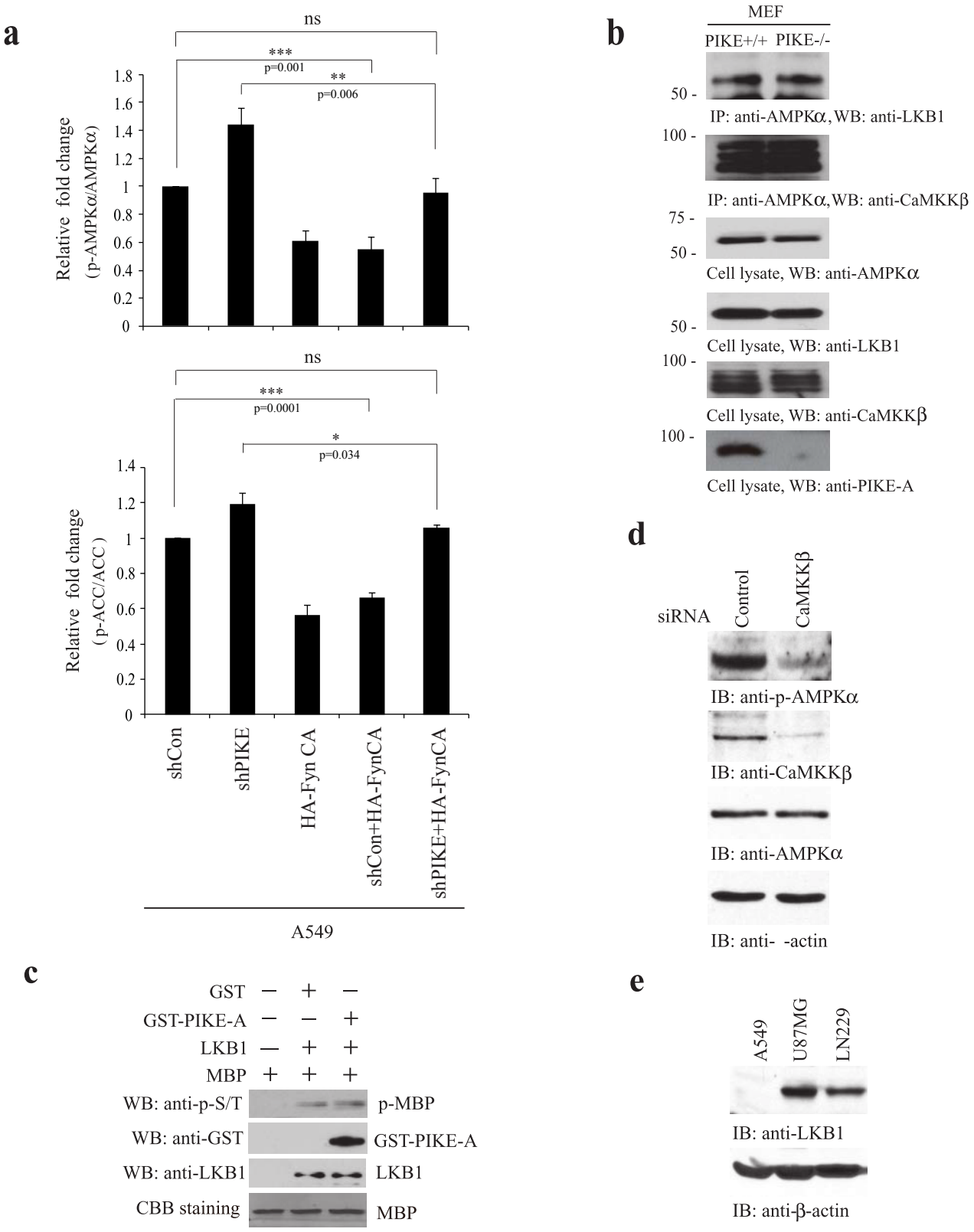
Figure S3


a
ns
***
p=0.001
**
p=0.006
Relative fold change
(p-AMPKα/AMPKα)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
ns
***
p=0.0001
*
p=0.034
Relative fold change
(p-ACC/ACC)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
shCon
shPIKE
HA-Fyn CA
shCon+HA-FynCA
shPIKE+HA-FynCA
A549
b
MEF
PIKE+/+ PIKE-/-
50 -
IP: anti-AMPKα, WB: anti-LKB1
100 -
IP: anti-AMPKα, WB: anti-CaMKKβ
75 -
50 -
Cell lysate, WB: anti-AMPKα
50 -
Cell lysate, WB: anti-LKB1
100 -
Cell lysate, WB: anti-CaMKKβ
100 -
Cell lysate, WB: anti-PIKE-A
d
siRNA
Control
CaMKKβ
IB: anti-p-AMPKα
IB: anti-CaMKKβ
IB: anti-AMPKα
IB: anti- -actin
c
GST − + −
GST-PIKE-A − − +
LKB1 − + +
MBP + + +
WB: anti-p-S/T
p-MBP
WB: anti-GST
GST-PIKE-A
WB: anti-LKB1
LKB1
CBB staining
MBP
e
A549
U87MG
LN229
IB: anti-LKB1
IB: anti-β-actin