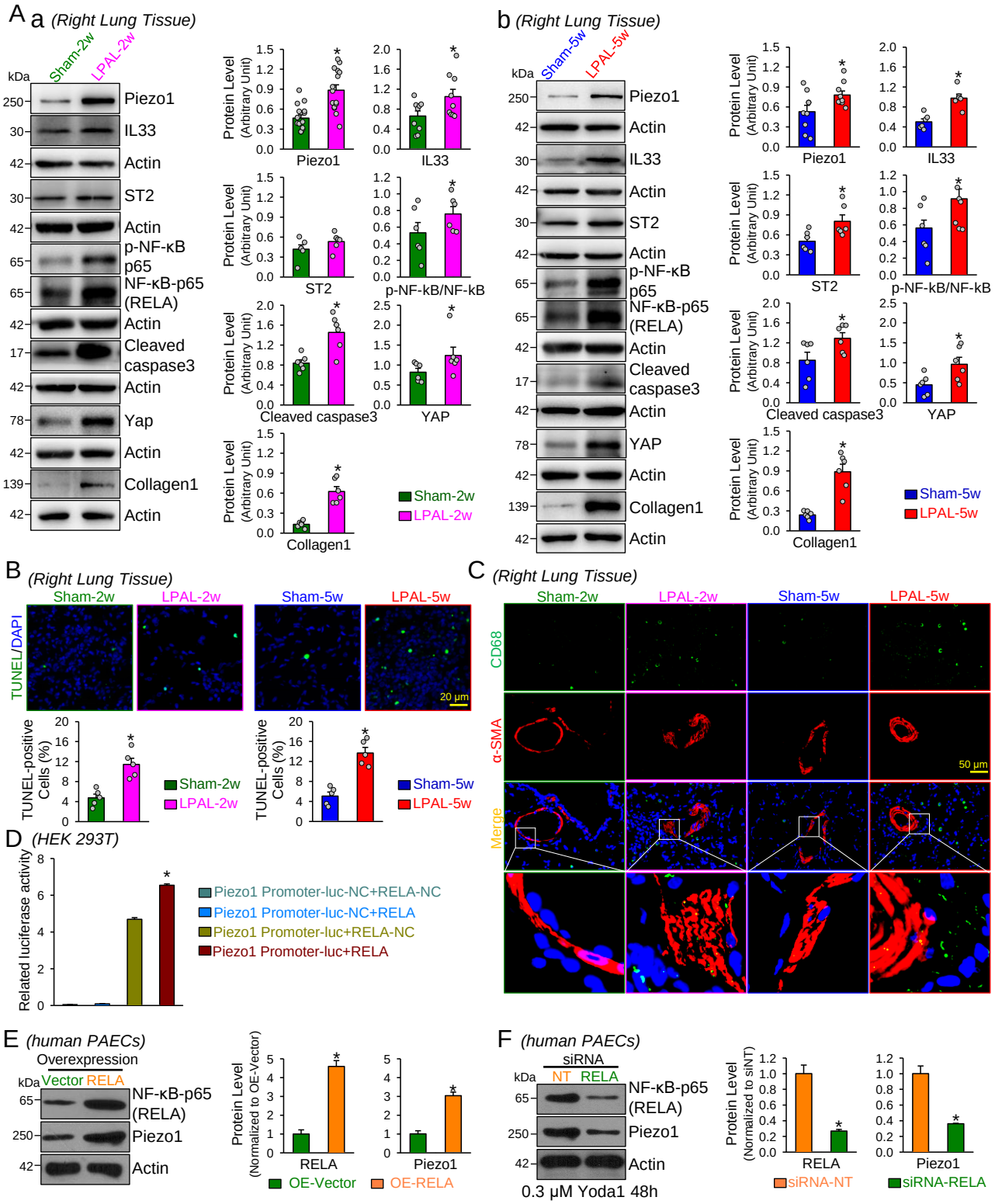
A a (Right Lung Tissue)
Sham-2w
LPAL-2w
kDa
250 Piezo1
30 IL33
42 Actin
30 ST2
42 Actin
65 p-NF-κB p65
65 NF-κB-p65 (RELA)
42 Actin
17 Cleaved caspase3
42 Actin
78 Yap
42 Actin
139 Collagen1
42 Actin
Protein Level (Arbitrary Unit)
Piezo1
IL33
ST2
p-NF-kB/NF-kB
Cleaved caspase3
YAP
Collagen1
Sham-2w
LPAL-2w
b (Right Lung Tissue)
Sham-5w
LPAL-5w
kDa
250 Piezo1
42 Actin
30 IL33
42 Actin
30 ST2
42 Actin
65 p-NF-κB p65
65 NF-κB-p65 (RELA)
42 Actin
17 Cleaved caspase3
42 Actin
78 YAP
42 Actin
139 Collagen1
42 Actin
Protein Level (Arbitrary Unit)
Piezo1
IL33
ST2
p-NF-kB/NF-kB
Cleaved caspase3
YAP
Collagen1
Sham-5w
LPAL-5w
B (Right Lung Tissue)
Sham-2w
LPAL-2w
Sham-5w
LPAL-5w
TUNEL/DAPI
20 μm
TUNEL-positive Cells (%)
Sham-2w
LPAL-2w
Sham-5w
LPAL-5w
C (Right Lung Tissue)
Sham-2w
LPAL-2w
Sham-5w
LPAL-5w
CD68
α-SMA
Merge
50 μm
D (HEK 293T)
Related luciferase activity
Piezo1 Promoter-luc-NC+RELA-NC
Piezo1 Promoter-luc-NC+RELA
Piezo1 Promoter-luc+RELA-NC
Piezo1 Promoter-luc+RELA
E (human PAECs)
Overexpression
kDa Vector RELA
65 NF-κB-p65 (RELA)
250 Piezo1
42 Actin
Protein Level (Normalized to OE-Vector)
RELA
Piezo1
OE-Vector
OE-RELA
F (human PAECs)
siRNA
kDa NT RELA
65 NF-κB-p65 (RELA)
250 Piezo1
42 Actin
0.3 μM Yoda1 48h
Protein Level (Normalized to siNT)
RELA
Piezo1
siRNA-NT
siRNA-RELA

Figure 5