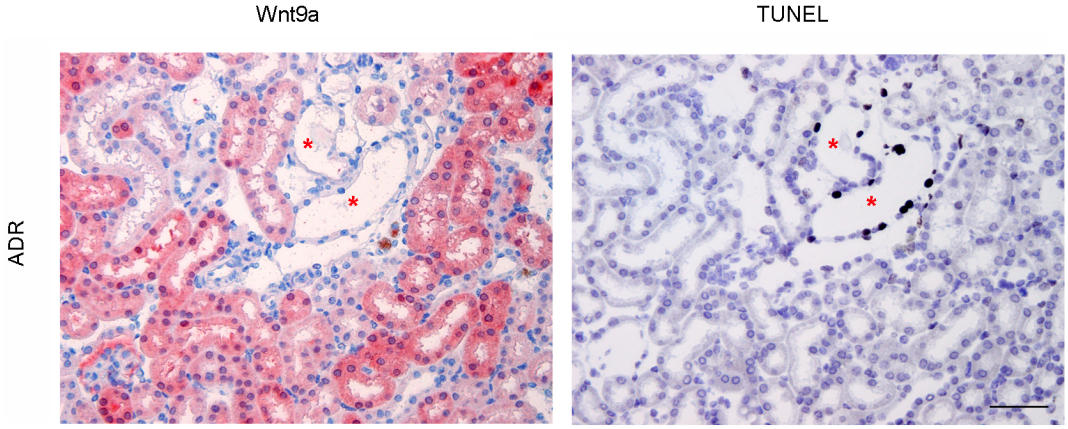


Figure S1

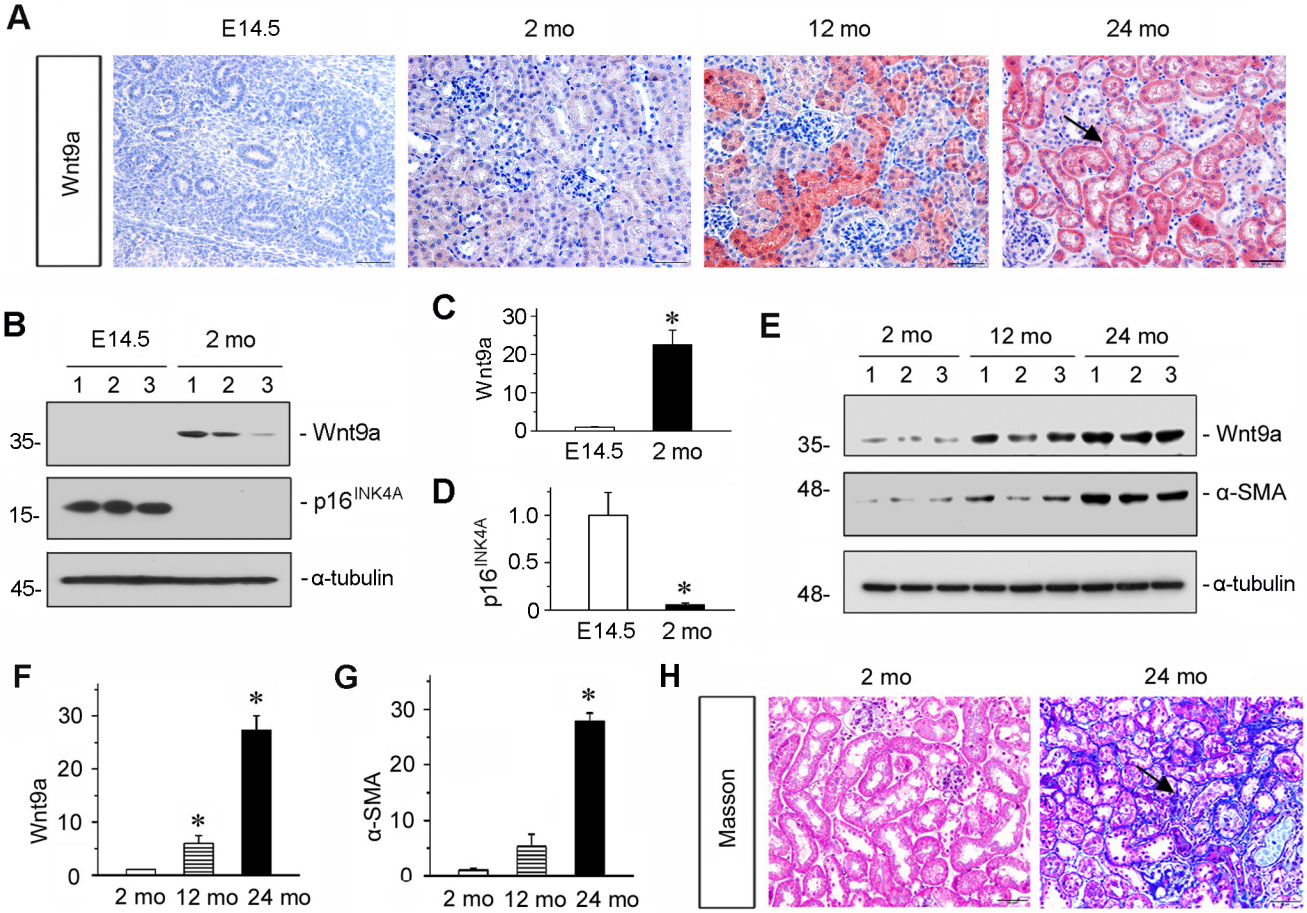

A
E14.5
2 mo
12 mo
24 mo
Wnt9a
B
E14.5
2 mo
1 2 3 1 2 3
35-
- Wnt9a
15-
- p16INK4A
45-
-α-tubulin
C
Wnt9a
30
20
10
0
*
E14.5
2 mo
D
p16INK4A
1.0
0.5
0
*
E14.5
2 mo
E
2 mo
12 mo
24 mo
1 2 3 1 2 3 1 2 3
35-
- Wnt9a
48-
- α-SMA
48-
- α-tubulin
F
Wnt9a
30
20
10
0
*
*
2 mo 12 mo 24 mo
G
α-SMA
30
20
10
0
*
2 mo 12 mo 24 mo
H
2 mo
24 mo
Masson

Figure S2

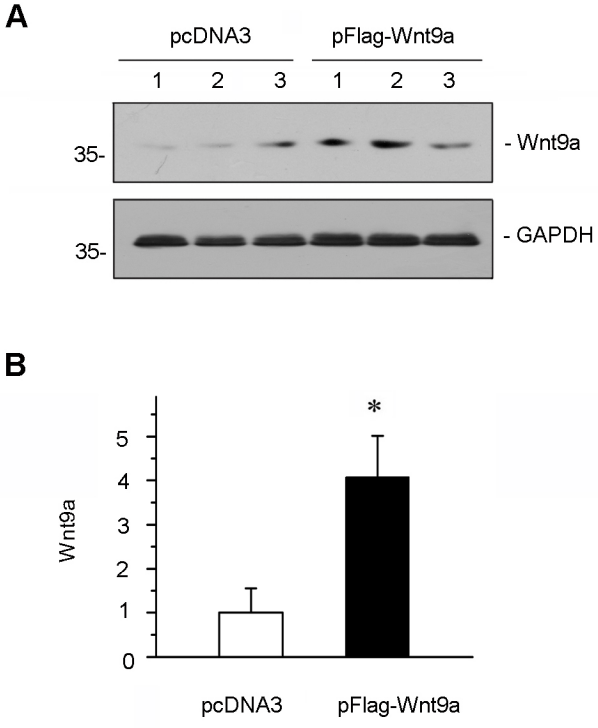

A
pcDNA3
pFlag-Wnt9a
1
2
3
1
2
3
35-
- Wnt9a
35-
- GAPDH
B
Wnt9a
0
1
2
3
4
5
*
pcDNA3
pFlag-Wnt9a

Figure S3

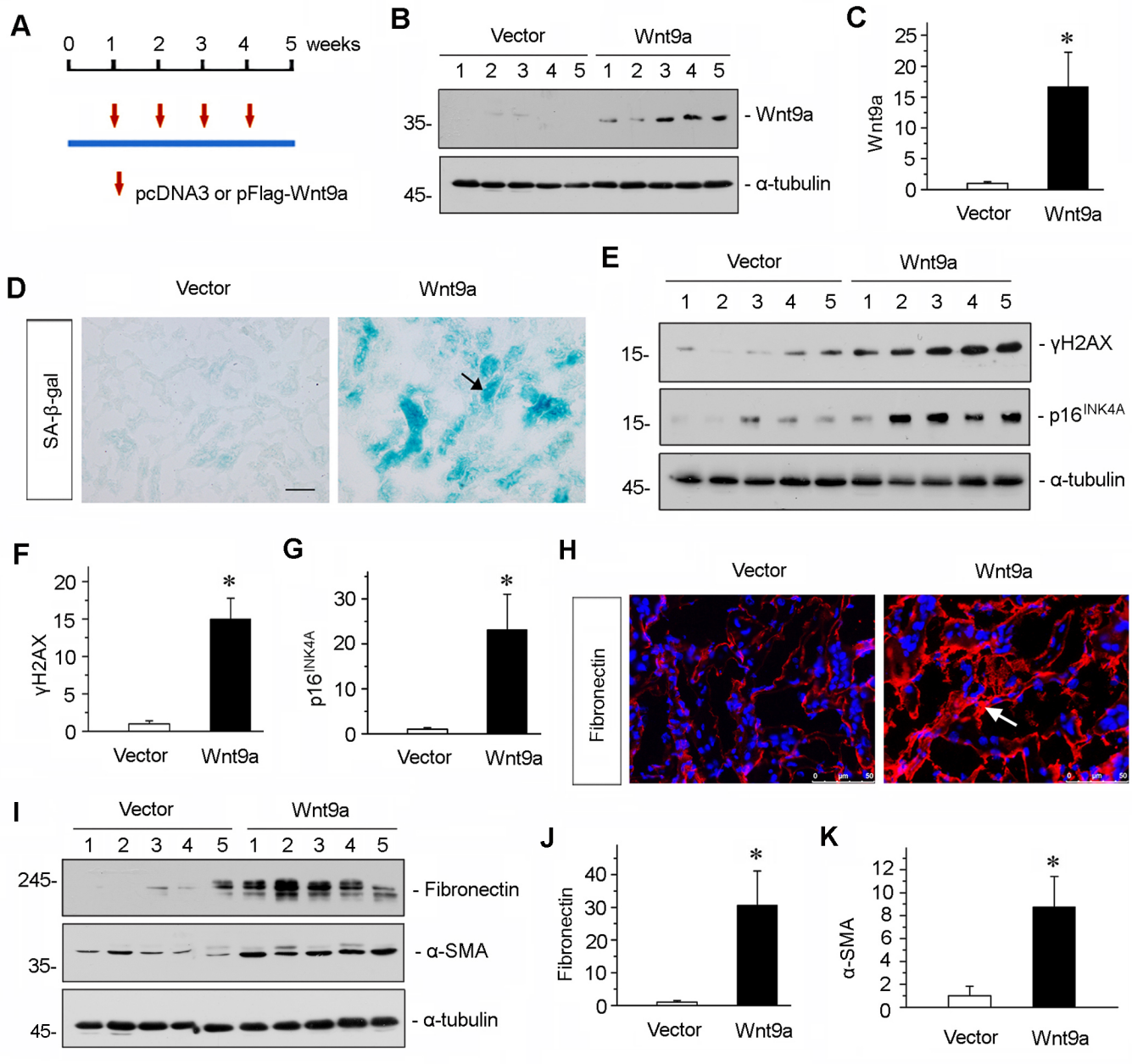

A
0 1 2 3 4 5 weeks
pcDNA3 or pFlag-Wnt9a
B
Vector
Wnt9a
1 2 3 4 5 1 2 3 4 5
35-
- Wnt9a
45-
- α-tubulin
C
Wnt9a
25
20
15
10
5
0
*
Vector
Wnt9a
D
Vector
Wnt9a
SA-β-gal
E
Vector
Wnt9a
1 2 3 4 5 1 2 3 4 5
15-
- γH2AX
15-
- p16INK4A
45-
- α-tubulin
F
γH2AX
20
15
10
5
0
*
Vector
Wnt9a
G
p16INK4A
30
20
10
0
*
Vector
Wnt9a
H
Vector
Wnt9a
Fibronectin
I
Vector
Wnt9a
1 2 3 4 5 1 2 3 4 5
245-
- Fibronectin
35-
- α-SMA
45-
- α-tubulin
J
Fibronectin
40
30
20
10
0
*
Vector
Wnt9a
K
α-SMA
12
10
8
6
4
2
0
*
Vector
Wnt9a

Figure S4

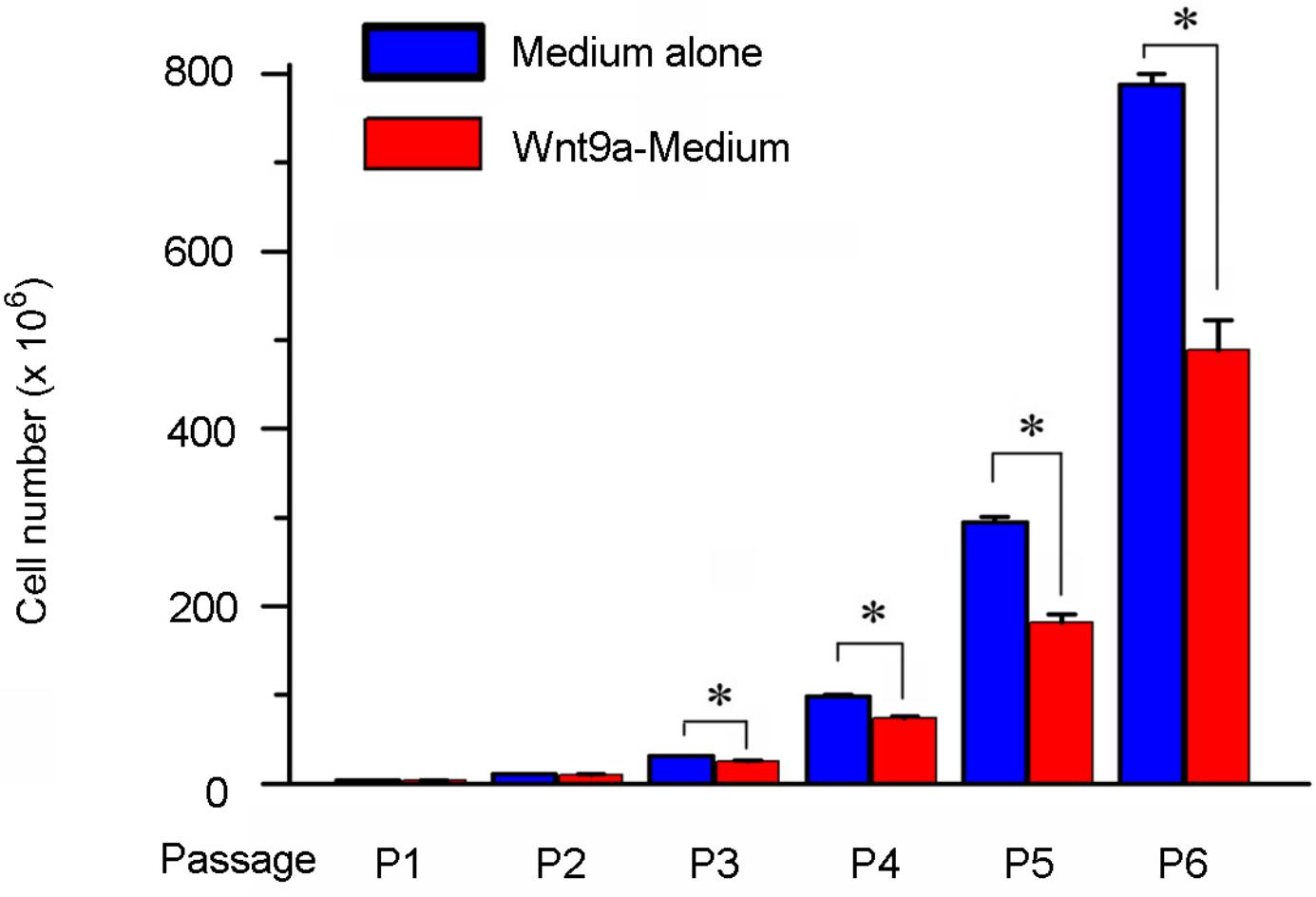

Medium alone
Wnt9a-Medium
Cell number (x 10^6)
800
600
400
200
0
Passage
P1
P2
P3
P4
P5
P6
*
*
*
*

Figure S5

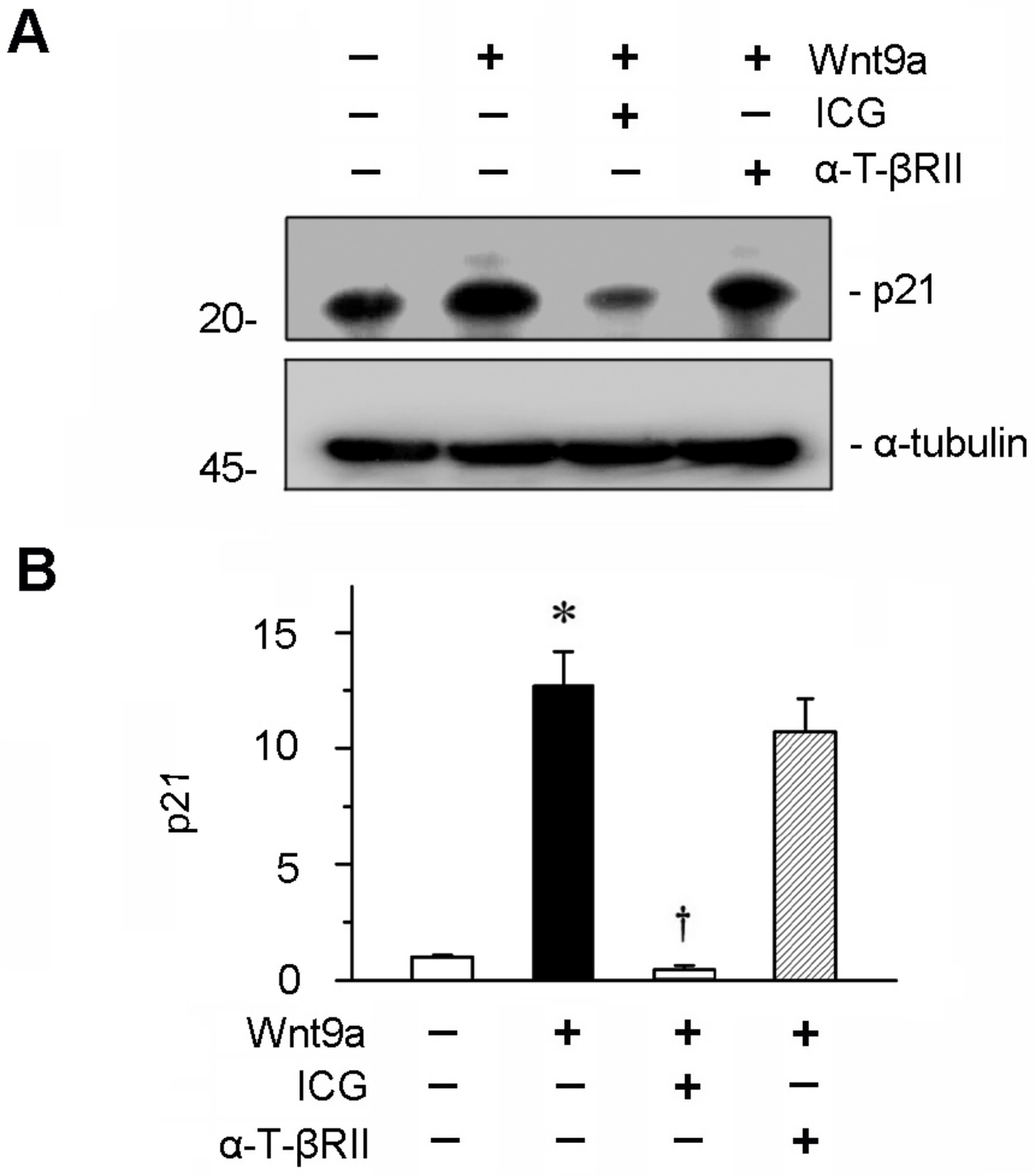

A
– + + + Wnt9a
– – + – ICG
– – – + α-T-βRII
20-
- p21
45-
- α-tubulin
B
p21
15
10
5
0
*
†
Wnt9a – + + +
ICG – – + –
α-T-βRII – – – +

Figure S6