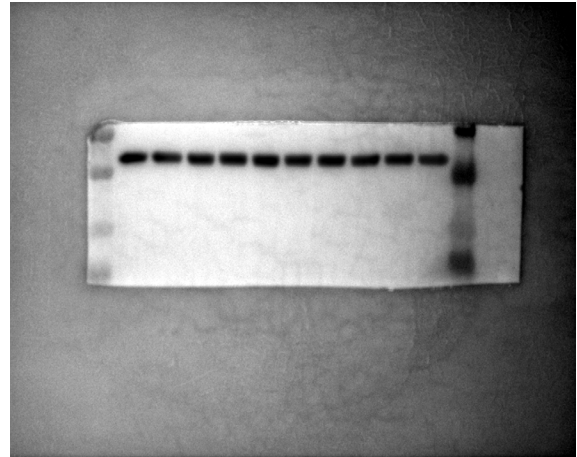
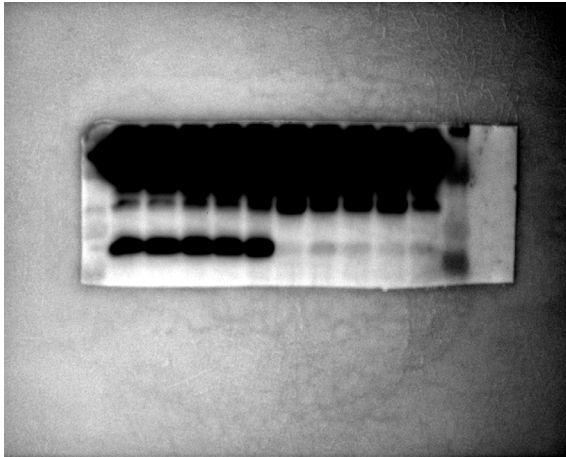


Additional file 11. Original Western blot images of fetal lung protein expression in mice under different paternal VD status (related to Fig. 3G and H)

Original Western blot images for Figure 3G

AQP5 and β -actin blot



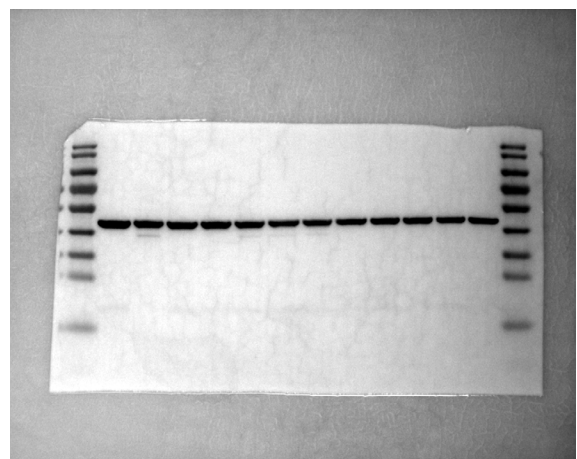
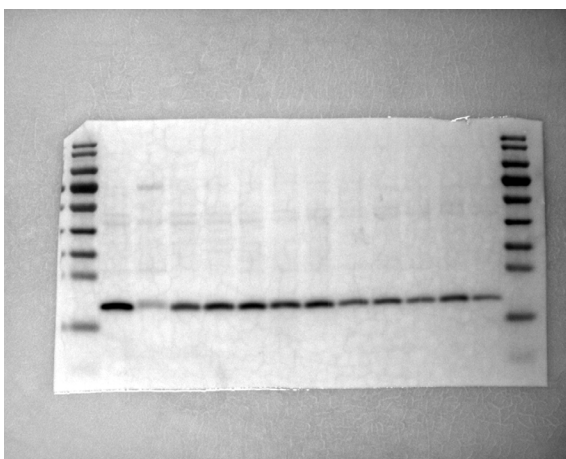
Lane information

- 1: Marker
- 2–6: CON pups ($n = 5$ biological replicates)
- 7–11: VDD pups ($n = 5$ biological replicates)
- 12: Marker

Notes

AQP5 (~24 kDa) and β -actin (~42 kDa) are located. Both proteins were detected on the same membrane following sequential stripping and reprobing. The cropped region presented in the main figure (Figure 3G) was derived from lanes 2–11.

PDPN and β -actin blot



Lane information

- 1: Marker
- 2: Positive control (Adult mouse thymus)
- 3: Negative control (Adult mouse liver)
- 4–8: CON pups ($n = 5$ biological replicates)

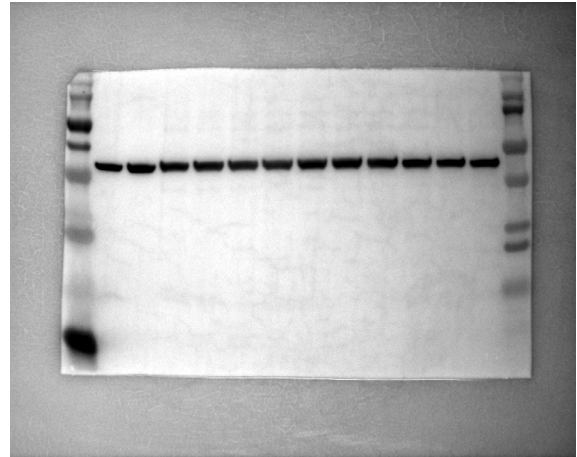
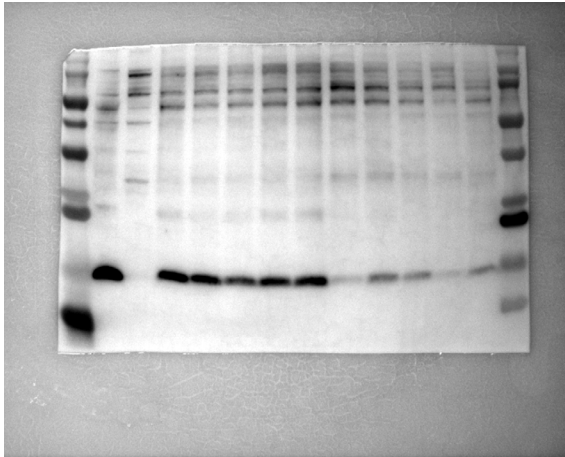
9–13: VDD pups ($n = 5$ biological replicates)

14: Marker

Notes

PDPN (~17 kDa) and β -actin (~42 kDa) are located. Both proteins were detected on the same membrane following sequential stripping and reprobing. The cropped region presented in the main figure (Figure 3G) was derived from lanes 4–13.

HOPX and β -actin blot



Lane information

1: Marker

2: Positive control (Adult mouse lung)

3: Negative control (Adult mouse thymus)

4–8: CON pups ($n = 5$ biological replicates)

9–13: VDD pups ($n = 5$ biological replicates)

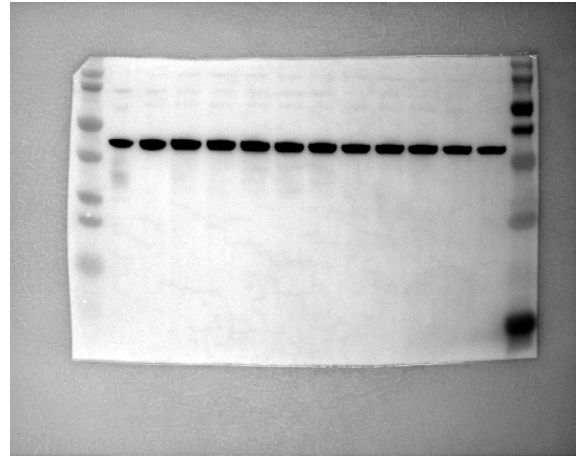
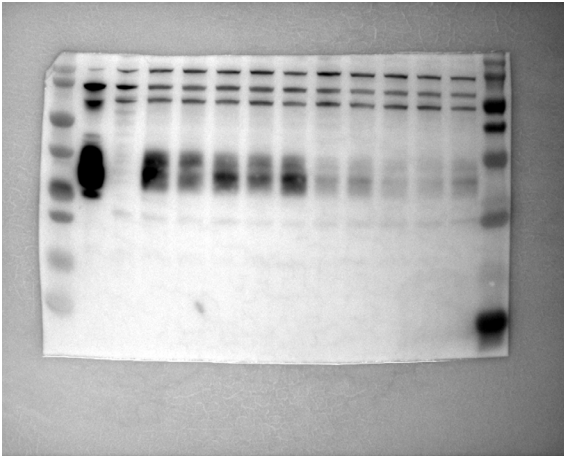
14: Marker

Notes

HOPX (~12 kDa) and β -actin (~42 kDa) are located. Both proteins were detected on the same membrane following sequential stripping and reprobing. The cropped region presented in the main figure (Figure 3G) was derived from lanes 4–13.

Original Western blot images for Figure 3H

SFTPA1 and β -actin blot



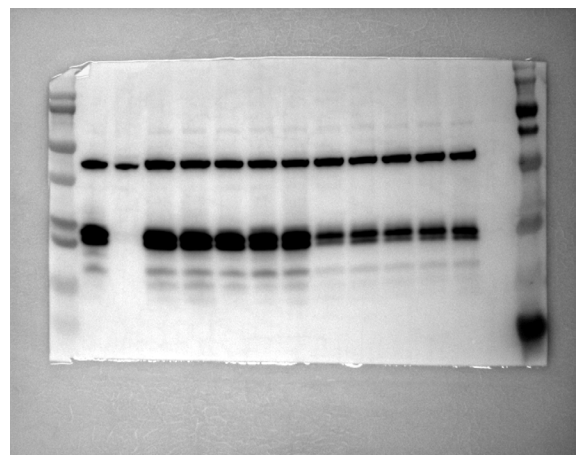
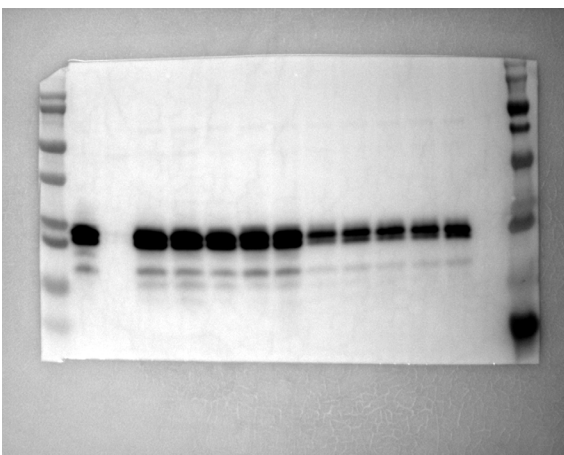
Lane information

- 1: Marker
- 2: Positive control (Adult mouse lung)
- 3: Negative control (Adult mouse thymus)
- 4–8: CON pups ($n = 5$ biological replicates)
- 9–13: VDD pups ($n = 5$ biological replicates)
- 14: Marker

Notes

SFTPA1 (~30 kDa) and β -actin (~42 kDa) are located. Both proteins were detected on the same membrane following sequential stripping and reprobing. The cropped region presented in the main figure (Figure 3H) was derived from lanes 4–13.

SFTPC and β -actin blot



Lane information

- 1: Marker
- 2: Positive control (Adult mouse lung)
- 3: Negative control (Adult mouse liver)
- 4–8: CON pups ($n = 5$ biological replicates)

9–13: VDD pups ($n = 5$ biological replicates)

14: Blank

15: Marker

Notes

SFTPC (~21 kDa) and β -actin (~42 kDa) are located. Both proteins were detected on the same membrane following sequential stripping and reprobing. The cropped region presented in the main figure (Figure 3H) was derived from lanes 4–13.